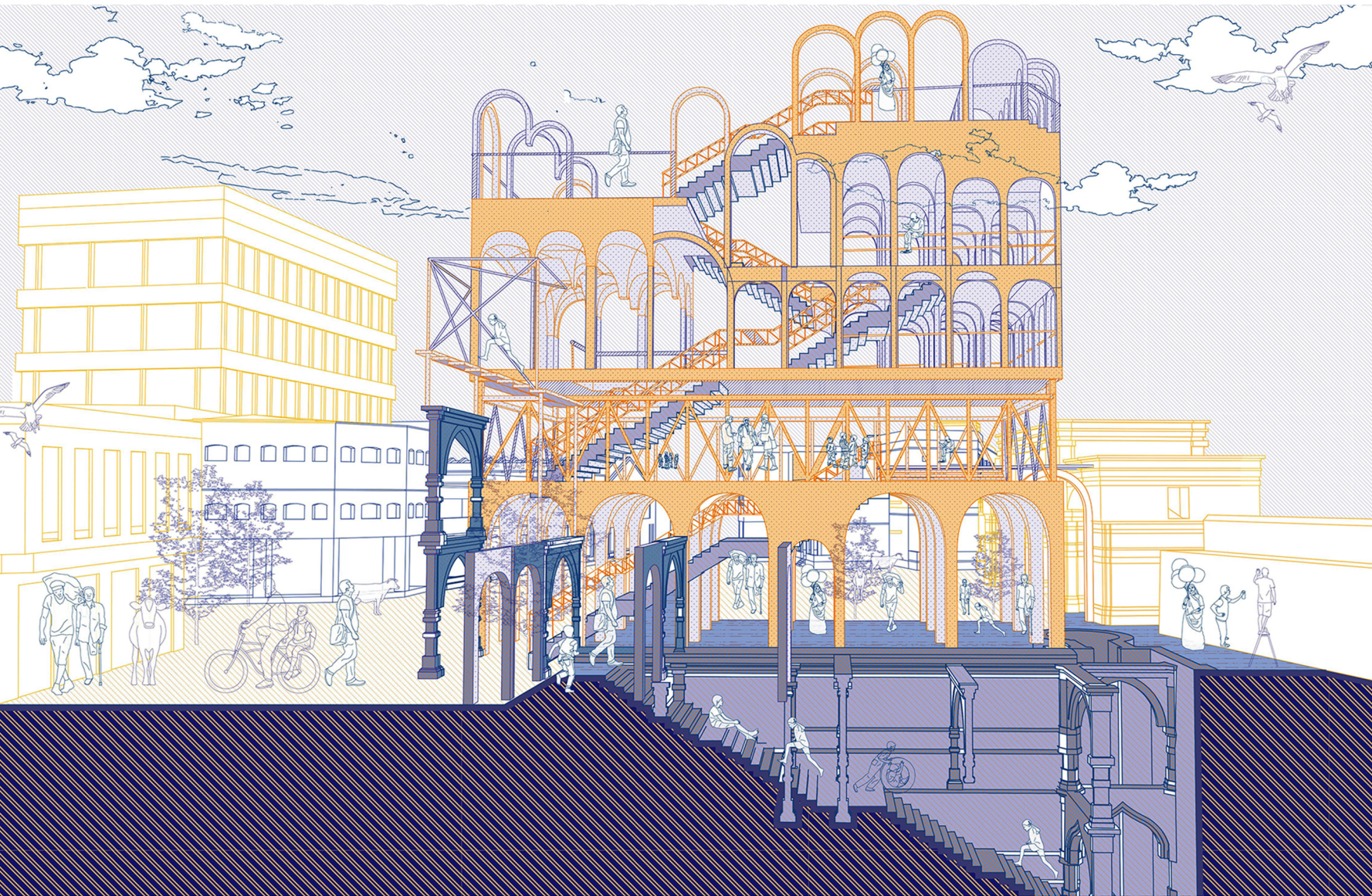


COURSE CATALOG

SPRING SEMESTER 2019-20

CEPT
UNIVERSITY



COURSE CATALOG
SPRING SEMESTER
2019 - 20

Cover Illustration

Hetanshu Dilip Pandya

Studio Unit Level 2

Occupied - Graphic Anatomy of Everyday Urban

Faculty of Planning

Catalog Design

Communications Services Office

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CEPT UNIVERSITY

About

CEPT University focuses on understanding, designing, planning, constructing and managing human habitats. Its teaching programs build thoughtful professionals and its research programs deepen understanding of human settlements. CEPT University also undertakes advisory projects to further the goal of making habitats more livable.

The University comprises of five faculties. Faculty of Architecture was established as the 'School of Architecture' in 1962. It focuses on design in the private realm. The Faculty of Planning, focused on planning in the public realm, was established in 1972 as the 'School of Planning'. The Faculty of Technology, which concentrates on engineering and construction, was established in 1982 as the 'School of Building Science and Technology'. The Faculty of Design was established in 1992 as the 'School of Interior Design'. It deals with habitat related interiors, crafts, systems, and products. Faculty of Management was established in 2013, focuses on Urban Management.

CEPT University takes its name from the 'Center for Environmental Planning and Technology' (CEPT). CEPT and the various schools that it comprises were established by the Ahmedabad Education Society with the support of the Government of Gujarat and the Government of India. Since inception CEPT has operated as an

autonomous academic institution free to develop its academic programs and award its own diplomas at the end of various programs of study.

The Government of Gujarat incorporated CEPT as a university in 2005. The University Grants Commission recognized CEPT University under section 2(f) of the UGC Act, 1956 in 2007. The Department of Scientific and Industrial Research (DSIR) of the Government of India recognizes the University as a Scientific and Industrial Research Organization (SIRO).

Pedagogy

The teaching programs at CEPT University focus on building professional capacities and therefore they are centered on 'studios' or 'labs'. Here, students engage with well designed lifelike problems. Coursework, seminars and research assignments, aimed at developing conceptual and analytical abilities of students, and skill-enhancing workshops support learning in studios and labs. Students also have to enroll in travel and documentation programs and to intern in professional offices to widen their exposure.

CEPT University cherishes the individual interests and abilities of its students. To enable each student to chart a unique course of study and realize his or her own individual potential, programs mandate only three quarters of the total credits that students have to complete. Students can complete the remaining credits other than the mandated credits by the program from the wide range of elective courses on offer at any of the five faculties of the university or Summer Winter School. The Faculties also make all attempts to ensure that even within the mandatory portion of the program, students can choose courses to suit their practice orientation.

The belief that educating professionals requires practicing professionals and academics to work closely together firmly underpins CEPT University's pedagogic philosophy. Therefore, CEPT University works as a collaborative of academics and practitioners. Practitioners adept at decision-making bring their experience to classrooms and academics impart a more thoughtful and critical approach. Teachers at CEPT University see themselves as coaches. Their role is to support individual students in their explorations and in their capacity-building quests.

Organization Structure

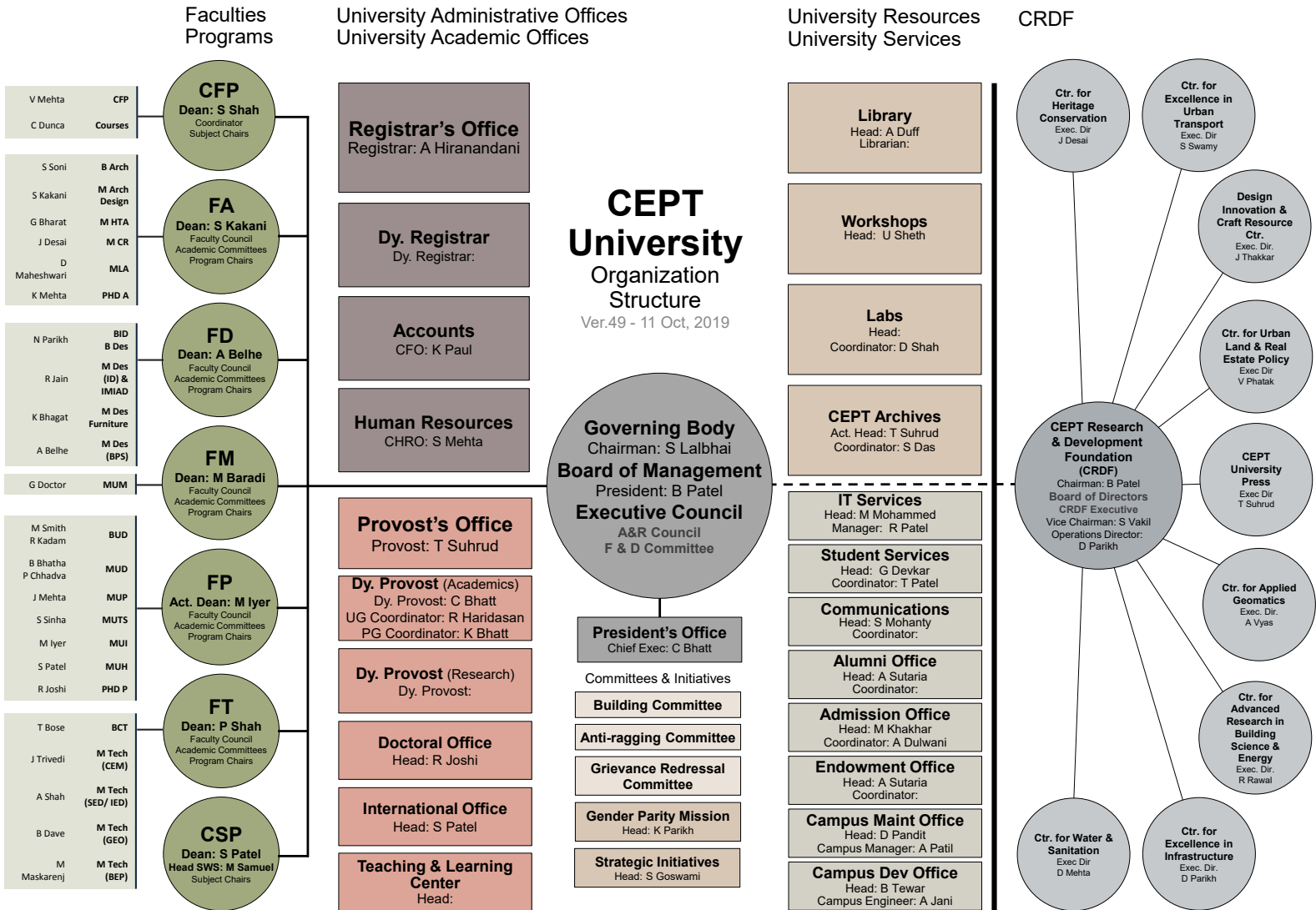
The Governing Body frames broad policy and has overarching powers over the functioning of the University. The Board of Management constitutes the Executive Council, Academic and Research Council and the Finance and Development Committee. It supervises functioning of the University and has powers to review all acts of the aforementioned councils and committee.

The Executive Council, the Academic and Research Council and the Finance and Development Committee manage and develop academic, research and all other programs and activities of the University. Faculties are responsible for all teaching programs at CEPT University. Faculty Councils and Boards of Studies are responsible for formulating policies pertaining to the various Faculties.

CEPT University's Academic Offices (Undergraduate Programs, Postgraduate Programs, Doctoral Programs, Diploma and Certificate Programs and Exchange Programs) are responsible for supporting and overseeing teaching programs in the various faculties.

CEPT University Resources (Library, Workshops, Labs, Archives, University Press) and CEPT University Services (Student Services, Career Services, IT Services, Outreach Services, and Campus Services) are responsible for supporting teaching and research at the University.

CEPT University Research Foundation is a wholly owned unit of CEPT University, registered under Sec. 25 of the Companies Act (1956). It manages CEPT University's contract, research and consulting activities. The Chairman, the President, the Director, the Deans and the Registrar are the key officers of the University.



PROGRAMS AT
CEPT UNIVERSITY

PROGRAMS AT CEPT UNIVERSITY

FACULTY	PROGRAM LEVEL (UG=5, PG =18)	DEGREE
FACULTY OF ARCHITECTURE	Undergraduate	Bachelor of Architecture
	Postgraduate	M Arch in Architectural Design
		M Arch/MA in Conservation and Regeneration
		M Arch /MA in Architectural History and Theory
	Master of Landscape Architecture/Design	
Doctoral	MPhil/PhD in Architecture	
FACULTY OF DESIGN	Undergraduate	Bachelor of Interior Design
		Bachelor of Design (Building Products and Systems/Furniture)
	Postgraduate	Master of Design in Interior Design
		International Master of Interior Architectural Design
		Master of Design in Furniture Design
		Master of Design in Building Products and Systems

FACULTY	PROGRAM LEVEL (UG=5, PG =18)	DEGREE
FACULTY OF MANAGEMENT	Postgraduate	Master of Urban Management
FACULTY OF PLANNING	Undergraduate	Bachelor of Urban Design
	Postgraduate	Master of Urban Planning
		Master of Urban Transport Systems
		Master of Urban Infrastructure
		Master of Urban Housing
	Master of Urban Design	
Doctoral	MPhil/PhD in Planning	
FACULTY OF TECHNOLOGY	Undergraduate	Bachelor of Construction Technology
	Postgraduate	Master of Technology in Construction Engineering & Management
		Master of Technology in Structural Engineering Design
		Master of Technology in Geomatics
		Master of Technology in Building Energy Performance

COURSE TYPOLOGY

COURSE TYPOLOGY

	TYPE	PEDAGOGY	PURPOSE
COURSES	Lecture	Lectures are the primary mode of teaching. Best suited for transferring information/concepts/theory. Should be supplemented by frequent tests to verify whether concepts are being understood.	(1) To deliver substantial amounts of information to student (2) To provide a summary or synthesis of information from different sources (3) To allow introduction of multiple concepts
	Seminar	Seminars can be supported through tutorials in smaller groups outside classes Facilitates discussion on pre-assigned readings or on brief lectures/ presentations. Introduces the students to the process of critical enquiry within a specific field or topic by way of reading other works and understanding the arguments, forming coherent connections, writing to communicate hypotheses, supported by valid arguments.	(1) To equip the students to read and understand concepts, information, experiments, field studies through research papers, essays, books, articles and other sources; (2) To facilitate discussion on a particular subject (3) Expose students to various points of and (4) to teach them how to formulate and articulate arguments Research.
	Workshop	Where faculty members coach students to help them develop skills in working with certain materials and technologies.	(1) To encourage Interactive and hands-on learning (2) To provide sufficient time for skill building; (3) To develop practical reasoning and decision making skills.

STUDIO	Studio	Where students are confronted by life-like situations and told to define the problems and to attempt solving them. The faculty coaches students and provides them with necessary concepts and theories.	(1) To encourage individual but active learning and responsibility (2) To facilitate learning to work with group dynamics.
RESEARCH	Guided research (thesis)	Where faculty members coach individual students on 1) conducting research and writing up the results, 2) undertaking research for a design project and writing up the results or, 3) conducting research for proposing a development project and writing up a grant proposal.	(1) To equip students with vital research skills. (2) To build capacity to develop logical and independent thought process.
	Independent study	Where a student selects a topic of interest reads a set of books on that topic and writes up an annotated bibliography. The student is guided in this study by a faculty member who also supervises and approves the bibliography.	(1) To encourage students who have demonstrated ability to learn independently. (2) To explore topics of personal interest within research framework.
INTERNSHIP	Internship	Where a student apprentices in an office or a site to experience what it is like to work in a real-life situation.	(1) To develop that self-confidence of the student (2) To expose students to different types of work and comprehensive work experience essential for the independent practice of profession.

COURSE DISTRIBUTION

Course Distribution in UG Program

Credit Requirements
(UG program)

A Student is required to complete the minimum required credits of Mandatory and Electives courses as applicable to their batch.

Students enrolled from academic year 2019 – 20 are required to complete a total of minimum 200 credits. Students enrolled in academic year 2017 -18 or before should follow their minimum credit requirements prescribed for that batch.

Mandatory Course:

Mandatory course is designated as compulsory for a particular program. A Mandatory Course of one Faculty is considered as elective for the students of other faculties

Elective Course:

Elective Course is chosen by a student in any Faculty subject to fulfillment of prerequisites. Students are free to take elective course credits either from regular semester or summer winter school.

Course Distribution in PG Program

Credit Requirements
(PG program)

A Student is required to complete the minimum required credits of Mandatory and Electives courses as applicable to their batch.

Students enrolled from academic year 2019 – 20 are required to complete a total of 80 credits. Students enrolled in academic year 2017 – 18 or before should follow their minimum credit requirement prescribed for that batch.

Mandatory Course:

Mandatory course is designated as compulsory for a particular program. A Mandatory Course of one Faculty is considered as elective for the students of other faculties

Elective Course:

Elective Course is chosen by a student in any Faculty subject to fulfillment of prerequisites. Students are free to take elective course credits either from regular semester or summer winter school.

MANDATORY & ELECTIVE
COURSE LISTING

MANDATORY COURSES

CEPT FOUNDATION PROGRAM

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
CFP004	Studio	15	Studio 2	Dilip Panchal, Hamid Raj, Kireet Patel, Kanishka Suthar, Vishal Mehta, Priyanka Dave, Priyanka Kanhare, Maulik Chauhan, Anand chandrakant Shah, Rushika Khanna, Siddharth Srivastava, Dhara Desai, Sagar Shah, Ayaan Barodawala, Mittul Sindhav, pankti pandya, Anupam Choudhary, Ishan Goswami , Achal Dadhania	50
CFP005	ROWC	3	ROWC 2	Catrinel Dunca, Saumya Bhandari, Susan Vivien George, Vishwa Balani, Diana Romany	51
CFP006	ROWC	2	Perspectives 2w	Catrinel Dunca	52

MANDATORY COURSES

UNDERGRADUATE PROGRAM IN ARCHITECTURE

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 4					
AR2600	Courses	2	Technology 2	Mona Khakhar	53
AR2608	Courses	2	HH-2: Tectonics	Sachin Soni	53
Semester 4 & 6					
AR2004	Studio	14	Strange Details	Mehul Bhatt, Rajan Bhatt	54
AR2005	Studio	14	Of Immediate & Afar X	Pranav Raiji	54
AR2013	Studio	14	Making Living Places : Crafts- manship, song and imagination	Puneet Mehrotra, Juzar Lanewala	55
AR2016	Studio	14	TectonicÂ Operations	Aditya Patel, Krunal Patel	55
AR2018	Studio	14	Designing with People	Jigna Desai, Sahiba Gulati	56
AR2019	Studio	14	Where Material Meets Design	Vicky Achnani, Vishnu Kolleru	56
AR2021	Studio	14	Space Kinematics	Anuj Anjaria, Muntaha Rushnaiwala	57
AR2022	Studio	14	Humane Habitat: The alchemy of place, people and palimpsest	Yatin Pandya	58
AR2023	Studio	14	The Joy of Architecture	Rathin Goghari, Sagar Trivedi	58
AR2024	Studio	14	Climate Responsive Architecture	Hiten Chavda, Ravi Kashyap	59
AR2025	Studio	14	Building Anti-Building	Milind Patel	59
AR2026	Studio	14	Dissolving Boundaries: Children Library at Loving Community	Anand Sonecha	60

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
<u>Semester 6</u>					
AR2609	Courses	2	HH-4 Agents	Smit Vyas	60
AR2610	Courses	2	Technology-4 Environment Science	Rajan Rawal	61
<u>Semester 7</u>					
AR3000	Office Internship	20	Office Training	Sachin Soni	62
<u>Semester 8</u>					
AR3600	Courses	2	Professional Practice	Sachin Soni	62
<u>Semester 8 & 9 & 10</u>					
AR3015	Studio	14	At the cusp of land and water	Piyas Choudhuri, Vijay Patel	63
AR3017	Studio	14	Realizing Nollis Dream: Embedding Architecture in the City	Sachin Soni	64
AR3018	Studio	14	The City and Performance spaces - Performance spaces as Urban catalysts	Jayant Gunjaria , Viral Bhavsar	65
AR3019	Studio	14	Algorithmic Thinking - A Parametric Approach to Problem Solving	Ahmed Abbas Momin, Kuber Patel	66
AR3021	Studio	14	Vertical Living	Dhaval Gajjar, Jagrut Patel	67
AR3598	Studio	14	Exchange Studio	Vishwanath Kashikar	67

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 10					
AR3602	Courses	1	Studio Report	VF	68
AR3597	Thesis/ Dissertation/ Capstone Project (T/D/C)	14	Thesis	Meghal Arya	68
AR3020	Thesis/ Dissertation/ Capstone Project (T/D/C)	15	Thesis	Meghal Arya	68

MANDATORY COURSES

POSTGRADUATE PROGRAM IN ARCHITECTURAL DESIGN SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
AD4600	Courses	2	Theory and Practice of Details	Sankalpa	69
AD4601	Courses	2	Architecture and the City: Built Spaces, Urban Fabrics, and People	Kaiwan Mehta	69
AD4005	Studio	14	Narratives In Architecture	Meghal Arya	70
AD4007	Studio	14	Rupture Suture Lieux De Memoire Partition Museum at Kolkata	Sonal mithal Modi	71

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 4					
AD4001	Studio	14	Urban Insert	Pratyush Shankar, Pratik Soni	72
AD4006	Studio	14	The Practice	Vishwanath Kashikar	73
AD4597	Studio	14	FA-PG- Exchange Studio	Vishwanath Kashikar	73

MANDATORY COURSES

POSTGRADUATE PROGRAM IN ARCHITECTURAL HISTORY & THEORY
 SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
HT4605	Courses	2	Contemporary Architectural Historiography	Sonal mithal Modi	74
HT4606	Courses	2	Writing for Research	Krishna Gajjar	74
HT4003	Studio	14	Theorizing Architectural Production	Gauri Bharat, Catherine Desai	75
Semester 4					
HT4050	Thesis/ Dissertation/ Capstone Project (T/D/C)	16	MAHT- Thesis/Dissertation/Capstone Project (T/D/C)	Gauri Bharat	75
1588	Thesis/ Dissertation/ Capstone Project (T/D/C)	15	Thesis/DRP/Capstone Project	Gauri Bharat	76

MANDATORY COURSES

POSTGRADUATE PROGRAM IN CONSERVATION & REGENERATION

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
CR4600	Courses	2	History, Theory and Legislation of Conservation	Jigna Desai	76
CR4605	Courses	2	Structural Conservation	Khushi Shah	77
CR4000	Studio	14	Architectural Conservation	Ashna Patel, Mrudula Mane	77
Semester 4					
CR4050	Thesis/ Dissertation/ Capstone Project (T/D/C)	16	MCR - Thesis/Capstone Project/ Dissertation	Jigna Desai	78

MANDATORY COURSES

POSTGRADUATE PROGRAM IN LANDSCAPE ARCHITECTURE

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
LA4600	Courses	2	Planting Design and Management	Deepa Maheshwari	78
LA4601	Courses	2	History and Theory of Landscape Architecture	Anjali Jain	79
LA4004	Studio	14	Designed Ecologies	Deepa Maheshwari	79
LA4007	Studio	14	Tracing lines	Divya Shah	80

MANDATORY COURSES

POSTGRADUATE PROGRAM IN LANDSCAPE ARCHITECTURE & DESIGN
SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 4					
1589	Thesis/ Dissertation/ Capstone Project (T/D/C)	15	Thesis/DRP/Capstone Project	Deepa Maheshwari	81
LA4005	Studio	14	Reimagining Water	Sandip Patil	81
LA4006	Studio	14	Site/Sight/Insight	Anjali Jain, Priyal Shah	82

MANDATORY COURSES

DOCTORAL PROGRAM IN ARCHITECTURE
SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
DA5101	Courses	3	Debates in Arch: Language, Context, and Ideas	Kaiwan Mehta	83
DA5201	Courses	3	Reading Architecture Narratives: Building through Visual and Material Histories	Kaiwan Mehta	84

ELECTIVE COURSES

FACULTY OF ARCHITECTURE

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
AR2717	Courses	2	Time, Space and Writing - Methods in reading, analysis and writing of texts	Kaiwan Mehta	85
AR2718	Courses	2	Making of a Forest City	Vyom Mehta	86
AR2719	Courses	2	Material Matters	Pranav Kochatta	86
AR2720	Courses	2	Polyhedra Deconstruction	Anand Viswanathan	87
AR2721	Courses	2	Design Methods	Vishwanath Kashikar	87
AR3700	Courses	6	Exchange Elective	Vishwanath Kashikar	88
AR3702	Courses	2	POETRUSIC	Neha Krishana kumar	88
AR4998	Courses	2	FA PG - Exchange Elective I	Vishwanath Kashikar	88
AR4999	Courses	4	FA PG - Exchange Elective II	Vishwanath Kashikar	88
LA4703	Courses	2	Field Study of Plants	Divya Shah	89

MANDATORY COURSES

UNDERGRADUATE PROGRAM IN INTERIOR DESIGN

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 4					
IR2609	Courses	2	Industrial revolution & Arts and Crafts movement	Asha Mandapa, Supriya Gautam pal	89
IR2600	Courses	2	Components and Systems for interior Design	Ramesh Patel, Vishal Joshi	90
Semester 4 & 6					
BD2002	Studio	14	Expeditions in Non Metal	Sadasivan Iyer	91
IR2002	Studio	14	Designing a Structure	Ajay c Patel	92
IR2008	Studio	14	Beyond detail	Naandi Parikh	93
IR2015	Studio	14	Encounters with the past: Exploring approaches towards interventions in a historic context	Janki Contractor, Mudra Shah	94
IR2018	Studio	14	Art of Detailing	Vasav Bhatt	95
IR2022	Studio	14	Reimagining the Vernacular	Jay Thakkar	96
IR2024	Studio	14	Exploration of Design: Material in focus	Ramesh Patel, Vishal Joshi	97
IR2025	Studio	14	In-Detail: Making is realizing	Niyati Patel, Vishal Wadhvani	98

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
IR2029	Studio	14	Travellers Home	Shikha Parmar, Shweta Jain	99
IR2030	Studio	14	Deployable Systems – Form, Space and Function	Jinal Shah	100
IR2031	Studio	14	Elements of Form and space	Amal Shah, Gaurang Shah	101
IR2032	Studio	14	Decoding Poetics of Space	Jagrut Raval, Hinal muzumdar Vyas	102
Semester 6					
IR2610	Courses	2	Story of Art	Jaai Kakani, Kireet Patel	103
IR2611	Courses	2	Skins, Surfaces & Finishes	Chirag Doshi	103
Semester 7					
IR3000	Office Internship	20	Office Training	Naandi Parikh	104
IR3603	Independent Studies	1	Interior Design Practice -2	Naandi Parikh	104
Semester 8					
IR3600	Courses	2	Appropriate and Emerging Design Technology	Mohammedayazkhan Pathan, Mragendra Chaturvedi	105
IR3606	Courses	2	Design Ethnography	Seema Khanwalkar	105

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 8 & 9 & 10					
IR3002	Studio	14	Brand Building through Spatial Design	Ruchi Mehta	106
IR3006	Studio	14	FORGOTTEN / TRANSFORMED	Errol Reubens, Ratna A shah	107
IR3009	Studio	14	XYZ of ABC	Kireet Patel	108
IR3010	Studio	14	Reuse & Revive: Hospitality spaces	Dexter Pereira	109
IR3011	Studio	14	Interior Skin Context	Mohammedayazkhan Pathan	110
IR3598	Studio	14	BID-Exchange Studio	Naandi Parikh	110
Semester 10					
IR3602	Courses	1	Studio Report	Naandi Parikh	111
IR3607	Courses	2	Research Writing	Supriya Gautam pal	111
IR3608	Courses	2	Design Research Methods	Rishav Jain	111
IR3020	Thesis/ Dissertation/ Capstone Project (T/D/C)	15	Thesis / DRP	Amal Shah	112
IR3597	Thesis/ Dissertation/ Capstone Project (T/D/C)	14	Thesis / DRP	Amal Shah, Rishav Jain, Jay Thakkar, Kireet Patel	112

MANDATORY COURSES

INTERNATIONAL POSTGRADUATE PROGRAM IN INTERIOR ARCHITECTURAL DESIGN SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
ID4606	Courses	2	Approaches to Design: Theory and Culture	Kaiwan Mehta	113
ID4607	Courses	2	Interior textiles and furnishing	Nehal Bhatt, Ujjval Shah	114
IA4597	Studio	18	IMIAD Exchange Mandatory Courses	Rishav Jain	114
Semester 4					
ID4000	Studio	14	Craft+Future=?	Rishav Jain	115
ID4005	Studio	14	360 -From Concept to Creation	Chirag Doshi	115
ID4006	Studio	14	Creating Theme Pavilions for Expositions (EXPO)	Shailesh Manke, Moksh Thapar	116
ID4007	Studio	14	Synthetic Gestures: Addressing Urban Synergies, Core Retrofitting of Manekchowk Fruit Market	Dilip Patel, Devanshi Doshi	117
ID4008	Studio	14	Dropbox - within the Social Context	Claire Reuter, Mili Parekh	117

MANDATORY COURSES

POSTGRADUATE PROGRAM IN BUILDING PRODUCTS AND SYSTEMS
 SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
BP4600	Courses	2	Designing with Empathy : Human Centered Design	Seema Khanwalkar	118
FD4600	Courses	2	Material & Structure 2	Sagar Modh	118
BP4003	Studio	14	Simple Products for Interiors of the Build Spaces	Sagar Modh, Samir bhagvatlal Bhatt, Vrushank Vyas	119
Semester 4					
BP4004	Studio	14	System Development Methodology/ Migration	Rudrapalsinh Solanki, Sadasivan Iyer	120

MANDATORY COURSES

POSTGRADUATE PROGRAM IN FURNITURE DESIGN
 SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
FD4600	Courses	2	Material & Structure 2	Sagar Modh	121
BP4600	Courses	2	Designing with Empathy : Human Centered Design	Seema Khanwalkar	121
FD4001	Studio	14	Small Great Things	Rebecca Reubens	122
FD4006	Studio	14	Furniture for Interior Spaces	Anand Belhe & Kaulav Bhagat	122
Semester 4					
FD4005	Studio	14	Government-Governance-System	Kaulav Bhagat, Anand Belhe	123

MANDATORY COURSES

POSTGRADUATE PROGRAM IN INTERIOR DESIGN

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
ID4606	Courses	2	Approaches to Design: Theory and Culture	Kaiwan Mehta	124
ID4607	Courses	2	Interior textiles and furnishing	Nehal Bhatt, Ujjval Shah	125
ID4000	Studio	14	Craft+Future=?	Rishav Jain	125
ID4005	Studio	14	360 -From Concept to Creation	Chirag Doshi	126
ID4007	Studio	14	Synthetic Gestures: Addressing Urban Synergies, Core Retrofitting of Manekchowk Fruit Market	Dilip Patel, Devanshi Doshi	127
ID4008	Studio	14	Dropbox - within the Social Context	Claire Reuter, Mili Parekh	127
Semester 4					
ID4006	Studi	14	Creating Theme Pavilions for Expositions (EXPO)	Shailesh Manke, Moksh Thapar	128

ELECTIVE COURSES

FACULTY OF DESIGN

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
IR2700	Courses	2	Analysing Spaces	Amal Shah	129
IR2702	Courses	2	Digital Technology	Sanket Patel	129
IR2707	Courses	2	Walking Conversations â€” Traversing Ahmedabad	Supriya Gautam pal	130

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
IR2708	Courses	2	"Visual Confessions of the Creative Mind "A graphic approach to problem solving	Anand Viswanathan	131
IR2711	Courses	2	Interior Lighting Design	Dexter Pereira	132
IR2712	Courses	2	Parametric Design & Digital Fabrication	Jinal Shah	132
IR2713	Courses	2	Colour in Interior Design	Ranna Parikh	133
IR3700	Courses	6	BID-Exchange Elective	Naandi Parikh	133
IA4998	Courses	2	IMIAD Exchange Elective Course	Rishav Jain	133
FD4700	Courses	2	Analysing & Manipulating Form	Kaulav Bhagat	134
ID4701	Courses	2	Meaning and Design	Seema Khanwalkar	134

MANDATORY COURSES

DOCTORAL PROGRAM

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 1					
DD5020	Courses	4	Independent Study- 1	Anil Kumar Roy	135
Semester 2					
DD5103	Courses	3	Argumentation in Academic Texts	Sonal mithal Modi, Biswaroop Das	136
DD5204	Courses	1	Research Colloquium	Coordinator	137
DD5302	Courses	6	Independent Study- 2	Rutul Joshi, Sejal Patel, Anil Kumar Roy, Abhijit Lokre, Yash Shukla	138

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
DD5305	Courses	2	Independent Study- B	VF	139
Semester 4					
DD5206	Courses	3	Research Colloquium & Workshops	Coordinator	140
DD5402	Thesis/ Dissertation/ Capstone Project (T/D/C)	30	MPhil Dissertation	Rutul Joshi	141

MANDATORY COURSES

POSTGRADUATE PROGRAM IN URBAN MANAGEMENT
SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
UM4600	Courses	2	Contract Management	Nimitt Karia	142
UM4601	Courses	2	Insights to e-Governance	Gayatri Doctor	142
UM4000	Studio	14	Urban Governance and Management Studio	Gayatri Doctor, Paresh Vyas	143
Semester 4					
UM4050	Thesis/Dissertation/ Capstone Project (T/D/C)	14	Thesis/DRP/Capstone Project	Gayatri Doctor	143
3032	Thesis/Dissertation/ Capstone Project (T/D/C)	15	Thesis/DRP/Capstone Project	Gayatri Doctor	143

ELECTIVE COURSES

FACULTY OF MANAGEMENT

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
UM4700	Courses	2	Business Models for Urban Services	Mercy Samuel	144
UM4709	Courses	2	Accounting and Financial Management Basics	Rajnikant Trivedi	144

MANDATORY COURSES

UNDERGRADUATE PROGRAM IN URBAN DESIGN

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 4					
UR2608	Courses	2	Climate & Design of the Built Environment	Melissa Smith, Mansi Shah	145
UR2609	Courses	2	Construction and Structure I	Mragendra Chaturvedi	145
Semester 4 & 6					
UR2001	Studio	14	Generative Techniques for Urban Place Making	Radhika Amin, Arpi Maheshwari	146
UR2005	Studio	14	From Utopias to Heterotopias Migrant Housing: Values of Time, Density, Culture, and Energy	Imran Mansuri, Suraj Vasant kathe	147
UR2008	Studio	14	Designing Water Infrastructure for Civic Expression	Dhara Mittal, Nishant Mittal	148
UR2013	Studio	14	Urban insert: Making of a shared space	Mihir Bedekar	149
UR2014	Studio	14	Light Infrastructures	Kruti d Shah	150

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
UR2015	Studio	14	People, Place, Identity and Change	Mehrnaz Amiraslani, Jinto V George	151
Semester 6					
UR2603	Courses	2	Environmental and Social Impact Assessment	Subhrangsu Goswami	152
UR2610	Courses	2	Case Studies in Urban Design	Mehrnaz Amiraslani	152
Semester 7					
UR3000	Office Internship	20	Internship	Mehrnaz Amiraslani	153
Semester 8					
UR2611	Courses	2	Critical Practices in Urban Design	Jinto V George	153
UR2612	Courses	2	Urban Law and Regulation	Rutool Sharma	154
UR3001	Studio	14	Urban Assemblies: Radical Interventions in Loose Public Space	Melissa Smith, Chandrani Chakrabarti	155
UR3002	Studio	14	Humanizing Urban Space: Social Production and speculative design of neighborhood place	Rajiv Kadam	156
UR3003	Studio	14	Urban Planning and Regulations: Intent, Manifestation & Design	Prasanth Narayanan, Tulika nabar Bhasin	157
UR3598	Studio	14	Exchange Studio	Rajiv Kadam	157

MANDATORY COURSES

POSTGRADUATE PROGRAM IN URBAN DESIGN

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
UD4604	Courses	2	Evidence Based Urban Studies	Brijesh Bhatha, Mariana Paisana	158
UP4601	Courses	2	History of Cities and Contemporary Debates	Rutul Joshi	159
UD4003	Studio	14	Elements of Urban design Studio	Brijesh Bhatha, Vipuja Parmar, Tapan Shah, Mariana Paisana	159
Semester 4					
UD4002	Studio	14	Urban Transformation Studio	Purvi Bhatt, Narendra Mangwani, Umesh Shurpali	160
UD4597	Studio	14	FP-PG- Exchange Studio	Mona Iyer	160

MANDATORY COURSES

POSTGRADUATE PROGRAM IN URBAN HOUSING

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
UH4605	Courses	2	Housing Policies and Programs	Sejal Patel	161
UH4606	Courses	2	Housing, People and Society	Ravi Sannabhadti, Vishal Dubey	161
UH4607	Courses	2	Sustainable Development, Resilience and Energy Efficiency	Neeru Bansal	162
UH4000	Studio	12	Housing Strategy	Sejal Patel, Amruta Patel	162

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 4					
UH4050	Thesis/Dissertation/ Capstone Project (T/D/C)	14	Thesis/DRP/Capstone Project	Ravi Sannabhadti, Sejal Patel, Madhu Bharti	163

MANDATORY COURSES

POSTGRADUATE PROGRAM IN URBAN INFRASTRUCTURE

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
UI4602	Courses	2	Financing Urban Infrastructure	Mona Iyer, Dinesh Mehta, Meera Mehta	163
UI4606	Courses	2	Analytical Methods & Technical Writing	Neeru Bansal, Ashwani Kumar, Ravi Sannabhadti	164
UI4607	Courses	2	Elements of Urban Infrastructure Planning	Saswat Bandyopadhyay, Subhrangsu Goswami	164
UI4608	Courses	2	Financing Urban Infrastructure and PPP models for Sanitation	Mona Iyer, Dinesh Mehta, Meera Mehta	165
UI4609	Courses	2	Sanitation Systems and Services	Saswat Bandyopadhyay	165
UI4610	Courses	2	Sanitation Technology-1	Mona Iyer	166
UI4002	Studio	12	City Wide Urban Sanitation Plan	Saswat Bandyopadhyay, Subhrangsu Goswami	166
UI4003	Studio	12	City Wide Infrastructure Planning	Neeru Bansal, Saswat Bandyopadhyay	167

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 4					
UI4050	Thesis/Dissertation/ Capstone Project (T/D/C)	14	Thesis/DRP/Capstone Project	Mona Iyer, Neeru Bansal, Ravi Sannabhadti	167

MANDATORY COURSES

POSTGRADUATE PROGRAM IN URBAN PLANNING SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
UP4600	Courses	2	Sustainable Development, Climate Change and Urban Resilience	Subhrangsu Goswami, Purvi Bhatt, Ashwani Kumar	168
UP4601	Courses	2	History of Cities and Contemporary Debates	Rutul Joshi	168
UP4606	Courses	2	Qualitative and Quantitative Analysis	Ravi Sannabhadti, Bhargav Adhvaryu	169
UP4000	Studio	12	Development Plan Studio	Rutool Sharma, Jignesh Mehta, Bhargav Adhvaryu, Amit Gotecha	170
Semester 4					
UP4050	Thesis/Dissertation/ Capstone Project (T/D/C)	14	Thesis/DRP/Capstone Project	Ravi Sannabhadti, Subhrangsu Goswami, Jignesh Mehta	170

MANDATORY COURSES

POSTGRADUATE PROGRAM IN URBAN TRANSPORT SYSTEMS
 SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
UT4600	Courses	2	Planning, Operations and Management of Public Transport Systems	H M Shivanand Swamy	171
UT4601	Courses	2	Transportation Planning	Shalini Sinha	171
UT4605	Courses	2	Quantitative Methods and Analysis in Transport	Nitika Bhakuni, Shalini Sinha, H M Shivanand Swamy, VF	172
UT4000	Courses	12	Strategic Plan for Urban Transport System	Nitika Bhakuni, Shalini Sinha	172
Semester 4					
UT4050	Thesis/ Dissertation/ Capstone Project (T/D/C)	14	Thesis/DRP/Capstone Project	Nitika Bhakuni, Ravi Sannabhadti, Shalini Sinha	172

MANDATORY COURSES

DOCTORAL PROGRAM IN PLANNING
 SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
DP5101	Courses	3	Texts and the City	Rutul Joshi, Biswaroop Das	173
DP5201	Courses	3	Research: Practice, Analysis and Communication	Mukesh Patel	174

ELECTIVE COURSES

FACULTY OF PLANNING

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
UR2700	Courses	2	Food and the City	Mansi Shah	175
UR2702	Courses	2	Rediscovering Ahmadabad	Hamid Raj	175
UR2703	Courses	2	The City in Literature	Neha Krishana kumar	176
UR3700	Courses	6	Exchange Elective	Rajiv Kadam	176
UD4997	Courses	2	FP-PG Exchange Elective-III	Mona Iyer	177
UD4998	Courses	2	FP-PG Exchange Elective-I	Mona Iyer	177
UD4999	Courses	2	FP-PG Exchange Elective-II	Mona Iyer	177
UP4700	Courses	2	Settlements in Transition: Rural-Urban Interactions	Ravi Sannabhadti, Anurima Mukherjee Basu	178
UP4701	Courses	2	Smart Cities	Saswat Bandyopadhyay, Sejal Patel	178
UP4703	Courses	2	Theory of Urbanization and Cities	Anil Kumar Roy	179
UT4701	Courses	2	Street Design	Abhijit Lokre, Sandeep Paul, Sarang Pingale	179

MANDATORY COURSES

UNDERGRADUATE PROGRAM IN CONSTRUCTION TECHNOLOGY SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 4					
CT2606	Courses	2	Concrete Technology	Naresh Chauhan	180
CT2608	Courses	2	Fluid Mechanics	Dipsha Shah	180
Semester 4 & 6					
CT2012	Studio	14	Deployable Structures: Concepts and Explorations	JAPAN SHAH, Anand Viswanathan	181
CT2015	Studio	14	CONCRETE: exploring its versatility	Bhargav Tewar, Nikunj Dave	182
CT2016	Studio	14	Network Design for Water Systems	Tushar Bose, Tapan Betai	183
CT2018	Studio	14	Designing spaces in Reinforced Concrete	Kruti d Shah, Rachit Sheth	183
CT2019	Studio	14	Planning and Design of road infrastructure in hilly region	Anal Sheth, Komal Parikh	184
CT2020	Studio	14	Structural Expressions in Masonry	Muntaha Rushnawala, Abuzar Puthawala	185
Semester 6					
CT2609	Courses	2	Project Estimation	Bhargav Tewar	185
CT2610	Courses	2	Environmental Engineering	Dipsha Shah	186
Semester 8					
CT3000	Office	20	Project Training	Reshma Shah, Ganesh A. Devkar, Bhargav Tewar, Devanshu Pandit, Paresh Shah, Abhi Jhaveri, Project Training	186
Semester 10					
CT3020	Thesis/Dissertation/Capstone Project (T/D/C)	15	Thesis	Paresh Shah	186

MANDATORY COURSES

POSTGRADUATE PROGRAM IN BUILDING ENERGY PERFORMANCE
SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
BE4600	Courses	3	Communications for Energy Efficiency Business	Aalok Deshmukh, Aarti Nain, Deepa Parekh	187
BE4000	Studio	14	HVAC Lab	Rajan Rawal, Rashmin Damle	187
Semester 4					
BE4050	Thesis/Dissertation/Capstone Project (T/D/C)	14	Thesis/DRP/Capstone Project	Rashmin Damle	188

MANDATORY COURSES

POSTGRADUATE PROGRAM IN CONSTRUCTION ENGINEERING & MANAGEMENT
SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
CM4600	Courses	3	Advanced Construction Practices	Jyoti Trivedi	188
CM4601	Courses	3	Construction Contracts	Reshma Shah	189
CM4000	Studio	12	Construction Execution, Monitoring and Control	Ganesh A. Devkar, Jyoti Trivedi	189
Semester 4					
CM4050	Thesis/Dissertation/Capstone Project (T/D/C)	14	Thesis/DRP/Capstone Project	Devanshu Pandit, Jyoti Trivedi	189

MANDATORY COURSES

POSTGRADUATE PROGRAM IN GEOMATICS

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
GE4600	Courses	3	Advance Remote Sensing Techniques	Bindi Dave	190
GE4601	Courses	3	Spatial Analysis Techniques	Dipak Samal	190
GE4000	Studio	12	GIS for Governance	Shaily Gandhi, Bindi Dave, Dipak Samal	191
Semester 4					
GE4050	Thesis/Dissertation/ Capstone Project (T/D/C)	14	Thesis/DRP/Capstone Project	Dipak Samal	191

MANDATORY COURSES

POSTGRADUATE PROGRAM IN STRUCTURAL ENGINEERING DESIGN

SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
Semester 2					
SD4600	Courses	3	Advanced RCC Design	Aanal Shah	192
SD4601	Courses	3	Advanced Steel Design	Dhara Shah	192
SD4000	Studio	12	Design Studio II: High Rise Buildings	Aanal Shah, Dhara Shah	193
Semester 4					
SD4050	Thesis/Dissertation/ Capstone Project (T/D/C)	14	Thesis/DRP/Capstone Project (SED)	Aanal Shah, Dhara Shah	193

ELECTIVE COURSES
 FACULTY OF TECHNOLOGY
 SPRING SEMESTER 2019 - 2020

CODE	TYPE	CREDITS	COURSE NAME	INSTRUCTORS	PG NO
CT2712	Courses	2	Introduction to Geographical Information System	Darshana Rawal	194
CT2713	Courses	2	Valuation of Real Estate Properties	Reshma Shah	194
CT2715	Courses	2	Digital Technologies and Innovation	Rahul Gautam	195
CT2716	Courses	2	Digital Representation	Sanket Patel	195
CT3700	Courses	2	Environment Impact Assessment for Infrastructure Projects	Tushar Bose	196
BE4702	Courses	2	Start Programming in C++	Rashmin Damle	196
BE4703	Courses	2	Light Shadow and Architecture	Marshal Shahu Maskarenj	197
CM4701	Courses	2	Digital Tools for Project Management	Jyoti Trivedi	197
CM4705	Courses	2	Lean Construction - Concepts, Tools and Practices	Ganesh A. Devkar	197
GE4701	Courses	2	Applied Graph Theory Modules	Jimmy Sethna	198
GE4709	Courses	2	Machine Learning and Artificial Intelligence for Spatial Analysis	Suchit Purohit	198

MANDATORY & ELECTIVE **COURSE DETAILS**

MANDATORY COURSES

CEPT FOUNDATION PROGRAM

SPRING SEMESTER 2019 - 2020

Semester 2

CFP004: Studio 2

Instructor/s: Dilip Panchal, Hamid Raj, Kireet Patel, Kanishka Suthar, Vishal Mehta, Priyanka Dave, Priyanka Kanhare, Maulik Chauhan, Anand chandrakant Shah, Rushika Khanna, Siddharth Srivastava, Dhara Desai, Sagar Shah, Ayaan Barodawala, Mittul Sindhav, pankti pandya, Anupam Choudhary, Ishan Goswami , Achal Dadhania

The second semester targets more complex analytical abilities, and lays emphasis on the process leading to the final outcome. It begins with a brief introduction to digital representation, and moves into familiarization with digital fabrication. The semester also includes explorations of types of stress in structures and allows the students to work with various materials to understand types of joinery, and familiarize themselves with the workshop. It encourages creativity through deciphering and interpreting styles and through imaginative drawings which form part of ongoing sketching sessions. While it introduces the students to working with contour drawings and topography models, the second semester also returns to the technical drawing skills developed earlier, and adds complexity to them. The students focus on understanding through field visits data collection, mapping, recording observations and analysing data, based on short-term investigations of urban areas like parks, plazas and streets. Tackling a design problem is the culmination of the programme, and also a bridge between the Foundation Programme and the higher-level courses, introducing the students to the basics of the design process.

Prerequisite: Only 1st Year UG Students

Typology	Studio
Credits	15
Monday	10.30-17.30
Tuesday	10.30-17.30
Wednesday	10.30-17.30
Thursday	10.30-17.30
Friday	10.30-17.30

CFP005 : ROWC 2

Instructor/s: Catrinel Dunca, Saumya Bhandari, Susan Vivien George, Vishwa Balani, Diana Romany
The second semester targets more complex analytical abilities, and lays emphasis on the process leading to the final outcome. It begins with a brief introduction to digital representation, and moves into familiarization with digital fabrication. The semester also includes explorations of types of stress in structures and allows the students to work with various materials to understand types of joinery, and familiarize themselves with the workshop. It encourages creativity through deciphering and interpreting styles and through imaginative drawings which form part of ongoing sketching sessions. While it introduces the students to working with contour drawings and topography models, the second semester also returns to the technical drawing skills developed earlier, and adds complexity to them. The students focus on understanding through field visits data collection, mapping, recording observations and analysing data, based on short-term investigations of urban areas like parks, plazas and streets. Tackling a design problem is the culmination of the programme, and also a bridge between the Foundation Programme and the higher-level courses, introducing the students to the basics of the design process.

Prerequisite: Only First Year UG Students

Typology	ROWC
Credits	3
Tuesday	08.00-10.00
Wednesday	08.00-10.00
Thursday	08.00-10.00
Friday	08.00-10.00

CFP006 : Perspectives 2

Instructor/s: Catrinel Dunca

Typology
Credits

ROWC
2

Perspectives: An Introduction to the Arts and Social Sciences continues the process of developing familiarity with ways of understanding and representing the world which pertain to disciplines not directly addressed in their curriculum. Visual representation in arts, varying from painting, to graphic novels and art which is accessible to a broader public, are particularly relevant to design disciplines, while their particular requirements allow them flexibility in artistic expression. Through discussions with experts in these disciplines, the students learn to read visual image not only as designers, but also through an art-specific perspective. Music offers an equally engaging opportunity, where the introduction to the rhythms and harmonies, along with the politics of various genres offer entry points into their appreciation. Once again guided by critics and practitioners, the talks and demonstrations bridge the realms of the visual and auditory.

Friday

17.30 - 19.30

The lecture series also sees speakers from design-related disciplines, introducing aspects of contemporary practice, looking at their critical concerns and the use of sketches, drawings and written words to conceptualize and represent.

Prerequisite: Only for CFP Students

MANDATORY COURSES

UNDERGRADUATE PROGRAM IN ARCHITECTURE

SPRING SEMESTER 2019 - 2020

Semester 4

AR2600 : Technology - 2

Instructor/s: Mona Khakhar

The course ranges from basic concepts of structural behavior of elements, material property and the possible structural systems.

Prerequisite: Completed first year B.Arch

Typology

Credits

Friday

Courses

2

14.30-16.30

AR2608 : HH-2 Tectonics

Instructor/s: Sachin Soni

This course explores the history of architectural forms through the lens of tectonics " material, technology, structure and resultant expressions. It explores the materiality of architecture by focusing on how the processes of making, labour, materials, skills, knowledge, and design transformed over time and result in the diversity of architectures we encounter.

Prerequisite: None

Typology

Credits

Wednesday

Courses

2

14.30-16.30

Semester 4 & 6

AR2004 : Strange Details

Instructor/s: Mehul Bhatt, Rajan Bhatt

Architecture is largely perceived as an expression of an idea/concept/intention. But its manifestation is rooted in the realities of construction and nature of materials. The negotiations between these aspects result into some unique and some strange details of architecture that are then communicated through drawings. This studio focuses on the processes of these negotiations and communications by taking students through a journey of evolving and communicating their own 'strange' details. The studio strongly believes in enabling the students' knowledge and understanding of technology to evolve a poetic quality of architectural expression. The studio projects are designed such that the architectural grammar is derived from an informed, evaluated and considered use of structural elements and materials, environmental responses and the issues of resources. Through these exercises students will understand how structural necessities are transformed into sculptural forms and the fundamental elements of the contextual environment inform the architectural tools to come together to evolve 'architectonic poetics'.

Prerequisite: Completed Foundation Studio

AR2005 : Of Immediate & Afar X

Instructor/s: Pranav Raiji

The pluralistic values of current times question the notions of appropriate spatial configurations and relevant formal expressions. The investigation of clues in the context of intervention as the 'starter' for design process is a way to engage in such a scenario. The starters are defined as, 'immediate' and 'afar'. The immediate are natural/ human-made elements of the place; and the themes/ functions indicated in the programme. The afar are the psychological aspects concerning people such as aspiration/ expectation of users and association/ perception of non-users

Prerequisite: Completed Foundation Studio

Typology	Studio
Credits	14
Monday	09.30 - 01.30
Wednesday	09.30 - 01.30
Friday	09.30 - 01.30

Typology	Studio
Credits	14
Monday	10.30-12.30
Wednesday	10.30-13.30
Thursday	08.00-13.30
Thursday	14.30-18.30

AR2013: Making Living Places : Craftsmanship, song and imagination

Instructor/s: Puneet Mehrotra, Juzar Lanewala

Why do we feel at home in certain places and not in others? Why do certain places and things make us feel more alive? Places that evoke-affect-inspire. Places that nurse and nourish life. Places emotionally charged and sensually enriching, that carry with them a sense of joy, wonder and simplicity, Places that enhance life and feel closer to our heart. Places attended with care and affection; Where the everyday life takes a lyrical form with a deep personal feeling. The studio unit focus on making life enhancing places. As an approach, it follows a choice based pedagogy as far as possible. Exercises are designed in a way that requires personal and collective choices to be made at different levels. As tutors, we set only the premise for an exercise where some constants are given and the students follow a path or paths based on a deep personal feeling. For every exercise a clear working method is outlined. Subsequent outcomes are compared and collectively judged based on the relative degree of life an outcome evokes. From this studio, a student will learn to 1) Describe places. 2) Differentiate between a more living place and a less living place. 3) Develop vision of a living place. 4) Create and transform places.

Prerequisite: Completed Foundation Studio

Typology	Studio
Credits	14
Monday	09.30-13.30
Thursday	10.30-13.30
Thursday	14.30-18.30
Friday	09.00-12.30

AR2016 : Tectonic Operations

Instructor/s: Aditya Patel, Krunal Patel

Studio explores ways through which outdated buildings can become sites for creative thinking about construction processes. It shall begin by introducing new programmatic requirements in an old precinct, necessitating actions of repair, replacement or introduction of alternative parts. This'll anchor the play of new technologies and materials into clearly identified spatial and functional conditions rather than being based merely on personal whim or random choice. This may be understood through a biological analogy of Processes, Uses, Form & Location and Materials. Through this, new formal, structural & material conditions will be explored for finding unique architectural expression.

Prerequisite: Completed Foundation Studio

Typology	Studio
Credits	14
Monday	08.30-11.30
Wednesday	08.30-11.30
Friday	08.30-11.30

AR2018: Designing with People

Instructor/s: Jigna Desai, Sahiba Gulati

Cities are built through intense negotiation, contestation, and collaboration. The culture of architectural production in many parts of the country continues to be collaborative and involves individuals as well as collective groups with specific spatial skills as co-producers of space and key players in city-making. The role of design is difficult to articulate, let alone remunerate or value in such dynamic contexts. As a result, designers often find their place in serving the elite sector of society as this position allows a more comfortable valuing and understanding of service and position. For this reason, the studio is framed around the key question: how and where does design engage in this complexity. International discourse of architectural design in the last decade has acknowledged participation as an element of the design process and the role of the designer as the creator of potentialities of co-production of spaces. This studio will expose students to the methods of understanding processes of co-production in an existing built environment, introduce tools to visualise, analyse and communicate these processes for their applicability.

Prerequisite: Completed Foundation Studio

Typology Credits	Studio
	14
Monday	09.30-13.30
Monday	14.30-17.30
Thursday	09.30-13.30
Thursday	14.30-17.30

AR2019: Where Material Meets Design

Instructor/s: Vicky Achnani, Vishnu Kolleru

The Material Design studio examines the properties of materials as the starting point for design. Conventionally designers first decide what is wanted and then figuring out how to make it. We ask; what if we designed the other way around? Students are encouraged to question material usage and explore more sustainable assembly based systems involving timber, bamboo and steel. Methods that optimize the material for its envisioned function. The exploration begins by studying precedents where innovations in material technologies have expanded our understanding of building craft, structural limits and architecture. By adopting a hands-on approach students will develop keen understanding of the design potential for material combinations based on structural properties, versatility, ease of handling, and will develop options for jointing, and assembly. Through active documentation of the students findings will help in identifying a set of basic design principles or rules.

Prerequisite: Completed Foundation Studio

Typology Credits	Studio
	14
Monday	10.30-13.30
Monday	14.30-17.00
Wednesday	10.30-13.30
Thursday	10.30-13.30
Thursday	14.30-17.30
Friday	10.30-13.30

AR2021: Space Kinematics

Instructor/s: Anuj Anjaria, Muntaha Rushnawala

In the discipline of architecture, there are two kinds of spaces - one which is static and transforms with factors such as activities, light, etc. and other which is dynamic and transforms itself through its envelope and elements of the space. This studio will focus on the transformative potential of architecture and make the student explore the intricacies of making and detailing through the idea of transforming roofs/walls/facades/floor. The course will also focus on architectural qualities/spatial qualities which are primarily derived from its process of making. Introduction to the logic of assembly of building elements as well as executing the techniques and process of making those building elements along with the manufacturing processes and learn to think “design” via the processes of making and understanding of materials through various design exercises. Assimilating learning from previous exercises, The studio will attempt to design existing building elements with new behavioural properties which eventually transforms the existing space. For example designing a pavilion that becomes a larger shelter as required, designing a wall that gives shade to itself, designing a retractable roofing system for a mosque.

Prerequisite: None

Typology Credits	Studio
	14
Monday	10.30-13.30
Wednesday	10.30-13.30
Friday	10.30-13.30

AR2022: Humane Habitat: The alchemy of place, people and palimpsest

Instructor/s: Yatin Pandya

Home is one of the most intimate spaces that we engage with mind, body and soul. Home is not merely a shelter but defined as the place where the heart rests. It is where reveries are conjured and realities are responded to. Sustained existence is about harmonious bond between human to human and human to nature. Home combines both these dimensions succinctly. House with a heart makes home, homes make neighborhoods, neighborhoods make communities, communities make societies and societies shape the living environments. We shape our world and the world around shapes us. Vernacular architecture, having been evolved locally of the place, by the place, for the place and refined over time, while being true to the culture, context and climate and have stood the test of time for their socio cultural appropriateness, timeless aesthetics and environmental sustainability. We aim to re-learn these fundamentals of space making from the most intimate habitats to create humane and plural living environments.

Prerequisite: Completed Foundation Studio

Typology Credits	Studio
	14
Monday	08.30-13.30
Monday	14.30-15.30
Thursday	08.30-13.30
Thursday	14.30-15.30

AR2023: The Joy of Architecture

Instructor/s: Rathin Goghari, Sagar Trivedi

The studio is about understanding and applying lessons from the Classical Architecture of India. The intention is to take inspiring architectural context which expresses the basics of architecture in a simple and profound manner. This studio seeks to focus on aspects of 'Architectural experience' out of the vast number of possible ways to learn from Classical Indian architecture. An attempt has been made to formally analyse and find the principles and elements that define the Architectural experience. Emphasis has been on issues of organisation, ordering, structure and material relationship, relationship of buildings with topography, nature of site and water. The students developed observational skills to study historic buildings and analytical skills to be able to extract features of architecture. The design inquiry, which was seen as an exercise to synthesis the learning, was of responding to a sensitive immediate context and building a small-scale house which grows up to become an institution.

Prerequisite: None

Typology Credits	Studio
	14
Monday	14.30-17.30
Wednesday	10.30-13.30
Wednesday	14.30-18.30
Thursday	14.30-17.30

AR2024: Climate Responsive Architecture

Instructor/s: Hiten Chavda, Ravi Kashyap

Studio demands a resolution of the building keeping in view a strong climate response. The primary issue to be dealt with here; is achieving comfort zone in the extreme site and climatic context. So essentially, the design problem is of an Institute that exhibits an Environment responsive architecture/ Sustainable development goals. The studio works through an understanding of passive architectural features and material studies. This will be further strengthened through climate analysis and thermal simulation software, to resolve efficient spaces and building envelopes.

Prerequisite: Completed Foundation Studio

Typology Credits	Studio
	14
Monday	08.30-13.30
Monday	14.30-15.30
Wednesday	08.30-12.30
Thursday	08.30-13.30
Thursday	14.30-15.30

AR2025: Building Anti-Building

Instructor/s: Milind Patel

The term `Anti-Building` was coined by British architect Cedric Price. He challenged the conventional idea behind the building nestled in permanence and specificity. The built-forms are usually driven only to attain the defined programmatic outline and exclusivity attained via architect's vision. He believed that building should primarily serve people. They should be able to radically transform and be flexible to meet diverse demands of both the present and the future. His vision of 1960s which was far too advanced for its time and is responsible for many famous of our built-forms (Pompidou center, Greenwich Dome, The shed- New York) that we all cherish and look up to. This unit offers a ground-breaking journey to look at the built-form through a completely different perspective challenging conventions, engaging in creating meaningful transformations of built-form adopting itself to address many diverse demands of its users. The shaping the built-form for the present and imagined future would ask for individual of their narrative of near or distant future through constructing of pragmatic utopias. The studio unit is a departure from Cedric Prices' views of Anti-Building and will re-interpret the ideas behind the term

Prerequisite: Completed Foundation Studio

Typology Credits	Studio
	14
Monday	13.30-18.30
Wednesday	08.30-13.30
Thursday	13.30-18.30

AR2026: Dissolving Boundaries: Children Library at Loving Community

Instructor/s: Anand Sonecha

The studio will focus on the Loving community in Vastral, formed in 1968 by people with leprosy that migrated from different regions in India. The neighbourhood has 450 residents, from which at least 40 still have reminiscences of the disease, even if cured. Currently, more than 150 children live in this community. Most of their homes have a single room and a family of 4/6 members living and cooking in the same space. The houses don't have enough space for all the residents and children have no proper space to study or do their homework. The studio will focus on the design of a small children's library where they can meet, study or be by themselves. This library should act as a meeting point for children from different neighbourhoods. Due to social stigma communities with people affected with leprosy are formed in isolation from urban areas, becoming islands. The studio will explore how these barriers can be broken through Architecture. The design of the Children's Library will trigger the discussion: how the boundaries between the Loving Community and the surrounding city can be dissolved. The studio will question the role of the architect in today's times, explore how equitable and inclusive spaces can be created, and discuss how Architecture can be a way to improve live

Prerequisite: Completed Foundation Studio

Typology Credits	Studio
	14
Monday	09.30-13.30
Monday	14.30-17.30
Thursday	09.30-13.30
Thursday	14.30-17.30

Semester 6

AR2609: HH-4 Agents

Instructor/s: Smit Vyas

This course explores the oeuvre of notable architects and other agents of architectural production. It specifically examines how architectural practice and individual design decisions have been intersected by time-specific functions, aesthetic norms, political and cultural regimes, among other things.

Prerequisite: Mandatory for (3rd year) 6th semester Undergraduate Architecture students

Typology Credits	Courses
	2
Wednesday	14.30-16.30

AR2610: Technology-4 Environment Science

Instructor/s: Rajan Rawal

Architecture, as a profession, has been serving mankind for centuries. The definition of an architect's role can be found in the works of Vitruvius: i. 'Commodity', usually understood as fitness for use, is broadened to mean effectiveness, in environmental, economic, and programmatic terms; ii. 'Firmness' surpasses structural reliability and incorporates long term environmental sustainability, comfort, and longevity; iii. 'Delight' moves beyond pleasure in aesthetics and embraces a deeper meaning. This course caters to the growing environmental consciousness in almost all spheres of the society. The promotion of environmentally conscious design of the built spaces has become one of the key factors for addressing architectural challenges. Various intent-based rating systems and performance codes are introduced to mainstream desired architectural practices. Primarily, these attempts are a response to climate change, resource availability, environmental degradation, and energy consumption. Widespread awareness towards sustainable-design, complemented with scientific finesse, poses a triggering demand for architects with advanced skills in resource-efficient design with energy efficiency.

Prerequisite: None

Typology
Credits

Courses

2

Friday

12.30-14.30

Semester 7

AR3000: Office Training

Instructor/s: Sachin Soni

The 22 week office training exposes students to the processes and challenges of designing in the real world. Students are expected to learn various aspects of the design process including design development, working drawings, presentation drawings, site visits, client and consultant meetings, and project management.

Prerequisite: L2 studios Cleared

Typology	Office Internship
Credits	20
Monday	10.00-18.00

Semester 8

AR3600: Professional Practice

Instructor/s: Sachin Soni

This course aims to develop a basic understanding of the scope of professional practice based on a broad overview of the various elements involved in a design practice. The will discuss the role of the architect, the management and operation of a design practice along with critical issues of professional ethics. The course will emphasise on the communication and documentation required to process

Prerequisite: Completed 3rd year FA, Mandatory for FA - UG- 4th year

Typology	Courses
Credits	2
Saturday	10.00-18.00

Semester 8 & 9 & 10

AR3015: At the cusp of land and water

Instructor/s: Piyas Choudhuri, Vijay Patel

Architecture has always been instrumental in MAKING THE IMAGE OF A CITY. In most cases it has been used as a tool to RE-NEW the Image, A catalyst to bring about change. To move with the times and needs of the city and its citizen, cities have considered different approaches to bring about this RENEWAL. The walled city of Ahmedabad is today faced with a dilemma, UNESCO has declared it as a world heritage city - a global recognition, the ashram road is under transformation as the new CBD of Ahmedabad and on the foreground is the newly formed riverfront and the Sabarmati. But the walled city is still old, broken, ignored and migrant in nature today the aspirations of the city and its citizens have changed. A much-needed make over is on the card for the walled city. The studio attempts to design building/s that would act as a catalyst and help renew the image of the walled city. It explores the idea of what could and should be an architectural program that connects the old with the new. With the Sabarmati as the foreground, the designed building/s would aim to connect to the river - physically or notionally and respond to the ever-changing nature of the river.

Prerequisite: Completed 3rd year FA

Typology Credits	Studio
	14
Monday	14.30-18.30
Wednesday	14.30-18.30
Friday	09.30-01.30

AR3017: Realizing Nollis Dream: Embedding Architecture in the City

Instructor/s: Sachin Soni

Nollis map of Rome holds a great significance for architects and urbanists these days. It presents dialectical relationships between buildings and their milieu, countering a tendency to see buildings as isolated objects outside the very context that give them life and meaning. Inspired from Nollis map, this studio aims to develop a conceptual and critical approach to architectural design where buildings are not seen not as isolated events, but that are deeply and intrinsically embedded in the fabric of the city. Studio will re-look at typologies of civic/infrastructural projects which constitutes a major part of urban development in Indian cities. Due to conventional architectural approaches, most of these projects often do not respond to the immediate context and end up becoming inaccessible parts of the city. Based on strong contextual awareness along with a need to relate buildings to individual users as well as collective needs, studio will investigate and explore various spatial strategies and architectural alternatives which will make it more accessible and inclusive in character.

Prerequisite: completed 7th semester of FA UG

Typology Credits	Studio
Monday	10.30-13.30
Monday	14.30-17.00
Wednesday	10.30-13.00
Thursday	10.30-13.30
Thursday	14.30-17.30
Friday	10.30-11.30

AR3018: The City and Performance spaces - Performance spaces as Urban catalysts

Instructor/s: Jayant Gunjaria , Viral Bhavsar

All arts are expression of the drama that human life creates. Art has the ability to transform and present complex intellectual-rational issues in a very accessible manner to general masses, which in turn has profound impact on collective functioning of that society. Performing arts are the mediums that celebrate human drama in the most direct, accessible and vibrant and manner. Performing arts are about expressions that are experienced by the collective and are primary manifestation of the socio-cultural processes of the given society. It can be noticed from pre-historical times through beginning of the civilizations and middle Ages to modern times, performing arts and rituals are enriching the human existence and thought beyond primary concerns of survival and propagation. It is then vital to understand the role of performing arts in socio-cultural development that is responsible for generating the image and vision of the city. This generates the inquiry about the nature of spaces, which generates, allows and enables the environments where performances can take place. It also looks at how those specific contexts allow certain kinds of performances and in turn how performances and the spaces that host them influence their contexts.

Prerequisite: Completed 3rd year FA

Typology	Studio
Credits	14
Monday	14.00-17.00
Wednesday	10.00-16.00

AR3019: Algorithmic Thinking - A Parametric Approach to Problem Solving

Instructor/s: Ahmed Abbas Momin, Kuber Patel

Designing over the years has become increasingly complex. Using conventional tools and work flows are no longer sufficient to keep up. Designer should now rise to the challenge of re-configuring themselves to align with the system, flow and exchanges that shape a new area of design and production. Computational design is an approach to problem-solving that uses algorithms to synthesize information, imagination, and intent. In this course we would like to streamline creativity into an iterative framework addressing different design solutions in a time-boxed data driven environment. The course is presented, focused on the dynamics of complex systems of the natural world, together with an identification of the operative spatial and temporal scales of their phenomena and their critical thresholds. All design approach would be optimized under principals of evolutionary computation ('Evo-Devo'), ideas like body plan in embryological development provides the conceptual agenda for rethinking of evolutionary computation. Students will acquire experience to develop design by experimenting, analyzing and evaluating results that could re-integrate into the design process making the final proposal more intuitive and optimal as per the given set of aspects they wish to explore.

Prerequisite: Completed UG foundation year

Typology	Studio
Credits	14
Monday	14.30-17.30
Thursday	14.30-17.30
Friday	08.30-12.30

AR3021: Vertical Living

Instructor/s: Dhaval Gajjar, Jagrut Patel

The studio explores the typology of high-rise buildings as a premise of mainstream housing development for future. The design approach shall intervene to generate livability in vertical blocks. With growing development coupled with shortage of land, developer driven housing purely delivers isolated apartment towers having stacked floors in every part of the city, excessively consuming our urban experience and spaces. By analyzing the existing, students observe manners in which conventional high-rise blocks have very little to do with how different profiles of people living together, apart from their existence in their isolated apartments. The focus is to work towards design solutions that can be part of mainstream high-rise developments to create living spaces that boost physical and mental wellbeing, and allow integration without sacrificing privacy. It is also to address the need of vertical community living environment that caters to changing social, economic, technological and environmental dynamics and shifts. Thought the studio unit, the dimensions of professional practice is implied as a methodology to conduct the individual work while applying the aspects real world design practice in terms of decision making, collaboration, deliverable & communications.

Prerequisite: None

Typology Credits	Studio
	14
Monday	09.00-11.00
Monday	14.30-17.30
Wednesday	09.00-11.30
Thursday	09.00-11.00
Thursday	14.30-17.30
Friday	09.00-11.30

AR3598: Exchange Studio

Instructor/s: Vishwanath Kashikar

Exchange studio registration

Prerequisite: only for FA UG outgoing Exchange students Mandatory credit registration

Typology Credits	Studio
	14
Saturday	08.00-18.00

Semester 10

AR3602: Studio Report

Instructor/s: VF

Studio Project report preparation

Prerequisite: Only for Thesis students of FA UG 2014 batch doing design thesis

**Typology
Credits**

Courses
1

Saturday

18.30-20.30

AR3597: Thesis

Instructor/s: Meghal Arya

Students demonstrate their abilities to conduct independent research on topics of architectural relevance in this course. The progress of the student is evaluated through interim reviews and a final viva voce.

Prerequisite: Cleared Studio 9 from FA UG

**Typology
Credits**

Thesis
14

Saturday

08.00-20.00

AR3020: Thesis

Instructor/s: Meghal Arya

Students demonstrate their abilities to conduct independent research on topics of architectural relevance in this course. The progress of the student is evaluated through interim reviews and a final viva voce.

Prerequisite: Cleared Studio 9 from FA UG

**Typology
Credits**

Thesis
15

Monday

08.00-08.30

MANDATORY COURSES

POSTGRADUATE PROGRAM IN ARCHITECTURAL DESIGN

SPRING SEMESTER 2019 - 2020

Semester 2

AD4600: Theory and Practice of Details

Instructor/s: Sankalpa

This course shall take up architectural detailing and break up into its theory and practice component simultaneously constructing a dialogue between theoretical concepts and their constructability. In a way it will equip student to critically analyse and evaluate a detail so that the learning can be applied while designing. Details often being representative of an idea and that idea being repeated at all the scales to make it a whole has been an important concept in this area contestably. This course however will not focus on philosophy but perhaps attitudes displayed on how details are evolved based on various concerns that a project demands it to be. Instead of meaning, it will discuss the expression as an outcome; instead of social and cultural dimensions, it will discuss the morphological and typological dimension; instead of material, it will discuss material as a summation of property; instead of existing technology, it will discuss impact of shift in technology.

Prerequisite: Only for MAD 2nd Semester students.

Typology

Credits

Wednesday

Courses

2

14.30-16.30

AD4601: Architecture and the City: Built Spaces, Urban Fabrics, and People

Instructor/s: Kaiwan Mehta

This seminar intends to bring discussions in the field of urban studies to the understanding of the architecture; with the intention to open up the discussion on architecture beyond its spatial and bounded nature as object or physically contained environments. Architecture is built fabric embedded with activities and relationships, where physical environments are constructed through tectonic details as well as cultural ideas, and all are situated within contexts. The context for this course will specifically be the city. The relationships between buildings and physical environments and the city are integral to each other's understanding as well as experience; and it cannot be understood as a part and whole relationship any longer. Between architecture and the city, there is no whole and part, but rather a sense of continuum of fabrics, tectonic details, rituals of living, as well as ideas. It is important to discuss how architecture produces built networks, and how architectural ideas fit into existing built fabrics. It becomes necessary to also understand how architectural ideas and decisions define the behaviors of larger built fabrics, even as large as cities.

Prerequisite: Only for MAD 2nd semester students.

Typology

Credits

Monday

Courses

2

14.30-16.30

AD4005: Narratives In Architecture

Instructor/s: Meghal Arya

The act of storytelling has, historically, been a powerful tool to communicate and disseminate meanings. Art forms like theatre, cinema and now installations have used storytelling as a strategic organising device. Architecture has always claimed to communicate meaning and yet, the idea of narratives remains limited to a some theoretical expressions. Can the architect assume the role of a storyteller and offer spatial experiences that can create an experience of a narrative for the users? The aim of this studio is to engage with the idea of narrative and seek interpretations building on this theme within the expressions of the built form. As architects engage with the possibilities of advocacy, the narrative offers strategies and mechanisms to connect to the people as a distinctive process of arriving at a design that foregrounds the experiences of people as a sequence of movement or expression of significant concerns. These qualities are to be investigated in the studio where the students will undergo a rigorous exploration of the components of the narrative that include the plot, the setting, and the structure.

Prerequisite: Only for MAD 2nd & 4th semester students.

**Typology
Credits**

Studio

14

Monday

09.30-14.30

Wednesday

10.30-13.30

Thursday

09.30-16.30

AD4007: Rupture Suture | Lieux De Memoire Partition Museum at Kolkata

Instructor/s: Sonal mithal Modi

The studio draws upon Pierre Nora's lieux de memoire to propose a method of historiographical inquiry to locate an architectural built form, and memorialization as a means to develop a language, all the while engaging in the politics of architectural production especially when it is state driven. Using Bricolage as a design and inquiry tool, the studio proposes an architectural design for Kolkata Partition Museum [5000-7000sqm built up]. The Partition of Bengal in 1947, part of the Partition of India, divided the British Indian province of Bengal based on the Radcliffe Line between India and Pakistan. Unlike Punjab, the aftermath of Partition in India was a protracted one for West Bengal, which impoverished the state and radicalized its politics. The afterlives of Partition are felt to this day along the borderland. Nora offers a means of understanding the conflict between individual lived memory and state institutionalized modern history. Places such as archives, museums, and memorials are lieux de memoire which operate as either spectacle of Memory, performance of Memory, empathy and Memory.

Prerequisite: Only for MAD 2nd & 4th semester students who have successfully completed Foundation Studio of 1st semester.

Typology	Studio
Credits	14
Wednesday	09.30-13.30
Thursday	09.30-13.30
Thursday	14.30-17.30
Friday	09.30-13.30

Semester 4

AD4001: Urban Insert

Instructor/s: Pratyush Shankar, Pratik Soni

Indian cities present an interesting problem for designer. At one level, they are steeped in history and seem to be in a time warp of some sorts and at the same time, they are sites of aspiration and are speculating on the future that nobody has seen. Some city contexts are loaded with such meanings and have also been playground for testing different architectural ideologies. In this studio, students will learn to design a public building as an urban insert in one such site in the Ahmedabad that is loaded with medieval history and was also the site of modernist experimentation in the 1960's. So, this site has seen too much and has a context so strong that it can almost become a burden! In this studio students will learn to design in one such site. Each student will choose their own site from a larger area of interest

Prerequisite: Only for MAD 2nd & 4th semester students .

Typology Credits	Studio
	14
Monday	09.30-13.30
Wednesday	09.30-13.30
Thursday	10.30-13.30
Friday	10.30-13.30

AD4006: The Practice

Instructor/s: Vishwanath Kashikar

Design studios usually use the project as a lens to study various aspects of the context. The structure and constitution of architectural practice as the primary context of architecture, is usually sidelined in architectural education. Through a series of seminars, conversations, and multiple design exercises, this studio emphasizes the impact of architectural practice on design. Questions of vision and ideology of practice, design teams and design ownership, human resource management, standardization of design elements and processes shall be addressed in this studio. Three design exercises are proposed in this studio. The student is expected to propose a twelve week exercise based on their interest. A four week exercise will be introduced by the tutor. Students will be expected to take part in a short group design competition. A series of visits to approximately ten design practices in the city is planned wherein students will be expected to conduct structured interviews. Students will be expected to present a seminar paper on architectural practice based on the readings done in the studio. The studio will culminate in a website of the practice consisting of a manifesto, sample projects, seminar paper and other aspects addressed in the studio.

Prerequisite: Only for MAD 2nd & 4th semester students.

Typology Credits	Studio
	14
Monday	09.30-12.30
Wednesday	09.30-12.30
Thursday	09.30-12.30
Friday	09.30-12.30
Friday	14.30-16.30

AD4597: FA-PG- Exchange Studio

Instructor/s: Vishwanath Kashikar

Only for Exchange students of FA-PG.

Prerequisite: Only for Exchange students of FA-PG.

Typology Credits	Studio
	14
Saturday	08.00-08.30

MANDATORY COURSES

POSTGRADUATE PROGRAM IN ARCHITECTURAL HISTORY & THEORY

SPRING SEMESTER 2019 - 2020

Semester 2

HT4605: Contemporary Architectural Historiography

Instructor/s: Sonal mithal Modi

This seminar course introduces students to historiographic methodologies in architecture.

Prerequisite: Mandatory for MAHT 2nd semester students and open as an elective for 4th year onwards FA UG students.

Typology
Credits

Courses
2

Wednesday

16.30-18.30

HT4606: Writing for Research

Instructor/s: Krishna Gajjar

In the 'Academic Writing Course' (Monsoon 2019), we focussed on Essay Writing and covered four different genres of essays: Narrative, Reflective, Descriptive and Argumentative. We also went into three drafts of revisions (first draft, draft after peer review, final draft after faculty review) on each type of essay assignment, to understand the recursive process of writing, reviewing and revising. In the current course, 'Writing for Research'(Spring 2020), we will focus on the Research Paper/ Report and further your understanding and skills about writing the various elements of the same. Research writing is a method of sharing one's insights or the knowledge one has generated, with the academic and research community. Writing for research is thinking in print, from the point of view of the readers. When you write with others in mind, you give your ideas the critical attention they need and deserve. You present your ideas in such a way, that you and others, can explore, expand, combine, and understand them more fully. Thinking in the written form for others can be more careful, sensitive and thoughtful than any other kind of thinking.

Prerequisite: Mandatory for MAHT 2nd semester students.

Typology
Credits

Courses
2

Monday

14.30-16.30

HT4003: Studio 2 - Theorizing Architectural Production

Instructor/s: Gauri Bharat, Catherine Desai

The studio will examine the relationship between construction practices and the materiality of architectural works in Gujarat (1930 - 1980). The students will explore the relationship between the conceptualising of an architectural work and its making, and by extension, the relationship between the architect, the building contractor, and various tradespeople. We will begin a detailed study of the construction of individual buildings represented using wall sections. Each building will be read as a primary historical resource and will be studied as a physical object. Construction processes will be traced through archival drawings where available, from interviews with selected practitioners, and through careful extrapolation of contemporary processes that have clear continuity with the past. The aim of this process will be to investigate the relationships between the construction processes and material qualities of a building. This process could be seen as analogous to that of understanding the qualities of a literary work through the consideration of the specific structures of its language.

Prerequisite: Only for MAHT 2nd semester students.

Typology Credits	Studio 14
Monday	10.30-13.30
Thursday	10.30-17.30
Friday	10.30-15.30

Semester 4

HT4050: MAHT- Thesis/Dissertation/Capstone Project (T/D/C)

Instructor/s: Gauri Bharat

This is an independent research or advocacy project pursued by student. As the culmination of their learning, in this semester, students are expected to conceptualise and execute a research or advocacy project that employ the skills and abilities of architectural history and theory acquired in the previous three semesters. Students will work independently with regular guidance from a supervisor.

Prerequisite: Students must have successfully completed the Foundation and all studios prior to this semester.

Typology Credits	Thesis 16
Saturday	10.30-14.30

1588: Thesis/DRP/Capstone Project

Instructor/s: Gauri Bharat

**Typology
Credits**

Thesis
15

This is an independent design, research or advocacy project pursued by student. * To demonstrate the student's ability to perform original, independent research, action, or design in his/her field of interest * To augment and contribute to the existing knowledge and data base regarding the built environment, landscape, planning or design * To strengthen research communication

Saturday

10.00-11.00

Prerequisite: M.Arch students must have successfully completed the Foundation and two specialization studios;

MANDATORY COURSES

POSTGRADUATE PROGRAM IN CONSERVATION & REGENERATION
SPRING SEMESTER 2019 - 2020

Semester 2

CR4600: History, Theory and Legislation of Conservation

Instructor/s: Jigna Desai

**Typology
Credits**

Courses
2

This course is mandatory for the students pursuing Masters in Conservation and Regeneration. Primarily a lecture based course, it aims at giving students and exposure of the history of Conservation Movement worldwide, leading up to the current trajectories, schools of thoughts and legislative provisions for Conservation and Regeneration in India. Students will be required to complete certain readings and reflect upon the processes through essays and scenario building exercises in order to develop their theoretical base for the field. The course will end with a symposium where each student will present their essays to the rest of the class.

Wednesday

14.30-16.30

Prerequisite: Mandatory for MCR 2nd semester students.

CR4605: Structural Conservation

Instructor/s: Khushi Shah

The knowledge of behavior of structures and building materials in specific environmental and working/loading conditions is essential to developing an understanding of the issues related to material condition and structural distress in historic buildings. This knowledge combined with a strong grounding in ethical principles of cultural heritage conservation forms basis of structural interventions on historic structures. This course will introduce the students of Masters in Conservation & Regeneration to Theory of structures; An understanding of structural safety criteria; Identification, Analysis and Interpretation of issues related to material deterioration and structural failure; Non-destructive testing for condition assessment; Principles and approaches to structural repairs.

Prerequisite: Mandatory for MCR 2nd semester students.

Typology	Courses
Credits	2
Monday	16.30-18.30

CR4000: Architectural Conservation

Instructor/s: Ashna Patel, Mrudula Mane

Historic buildings, structures and architectural remains are important and irreplaceable material evidence of the past deserving all suitable efforts for their preservation. The Architectural Conservation studio aims to impart an understanding of various technical, design and management aspects of built heritage conservation. The studio will engage with real sites and focus on participatory design methods allowing students to comprehend the complex issues in historic building conservation and take well-considered decisions. The studio will also engage with research, documentation, condition assessment and analysis followed by exploration of possible conservation approaches, critical evaluation and decision-making for design. Apart from regular tutor input sessions, the teaching will include a series of sessions/workshops by experts in the field of conservation that will equip students with an understanding of challenges faced in real-life scenarios in conservation practice. The process will enable students to develop a well-informed conservation proposal integrating architectural design, structural repair and interventions, project execution and management strategies.

Prerequisite: Students should have successfully completed foundation studio and theory course undertaken during the first semester of the program.

Typology	Studio
Credits	14
Monday	09.30-15.30
Thursday	09.30-15.30

Semester 4

CR4050: MCR - Thesis/Capstone Project/Dissertation

Instructor/s : Jigna Desai

This is an independent design, research or advocacy project pursued by student. * To demonstrate the student's ability to perform original, independent research, action, or design in his/her field of interest * To augment and contribute to the existing knowledge and data base regarding the built environment, landscape, planning or design * To strengthen research communication

Typology

Credits

Saturday

Thesis

16

10.00-11.00

Prerequisite: Only for MCRThesis/DRP students.

MANDATORY COURSES

POSTGRADUATE PROGRAM IN LANDSCAPE ARCHITECTURE

SPRING SEMESTER 2019 - 2020

Semester 2

LA4600: Planting Design and Management

Instructor/s: Deepa Maheshwari

Plants respond to various environmental factors. In order to use plants in landscape design, it is imperative to understand plant characteristics, growth requirements, landscape values and plant groupings. The course develops the analytical capabilities of students to appreciate plants and also understand the horticultural practices, i.e. plant propagation and maintenance.

Typology

Credits

Monday

Courses

2

16.30-18.30

Prerequisite: Mandatory for MLA 2nd semester students.

LA4601: History and Theory of Landscape Architecture

Instructor/s: Anjali Jain

The objective of the course is to introduce students to a broad history of landscape architecture through the study of selected sites; and to build a critical understanding of these works. Students are also introduced to texts that help in examining the sites; and simultaneously invoke broad themes in the discourse of landscape architecture, that may continue to have relevance and meaning.

Prerequisite: Mandatory for MLA 2nd semester students.

Typology	Courses
Credits	2
Friday	08.30-10.30

LA4004: Designed Ecologies

Instructor/s: Deepa Maheshwari

The course looks at designing new ecologies for constantly developing cities that address highly stressed and conflict areas which can be manipulated to bring new meanings in the present scenario. For a long period of time, we have existed with a sense of dualism between nature and the city. This phenomena has led to crossroads upon which there are conflicts that begin to occur within our existential realm. These conflicts encompass a wide variety of attributes ranging from ecological disruption to social constructs being affected. Conflict areas often are highly stressed pockets that require an in depth and empathetic approach that may begin to read the hidden text. It is the need of the hour to propose paradigms of designed ecology to re-build, support and recollect gradually fragmenting land mosaics. These devised ecosystems take time to evolve and are often the outcome of multiple interactions that are dynamic in nature, operating over multiple scales across socio-economic and bio-physical processes. The resilience of a city - the degree to which change is acceptable before reorganization to create a new set of structures - is highly dependent on these interactions.

Prerequisite: Only for MLA 2nd and 4th semester students.

Typology	Studio
Credits	14
Monday	09.30-13.30
Wednesday	09.30-13.30
Thursday	09.30-18.30

LA4007: Tracing lines

Instructor/s: Divya Shah

Tracing the ephemeral cultural ecologies of Ahmedabad The studio will confront the on-going disappearance of grasslands and the associated cultural ecologies of the mudflats of Ahmedabad's western fringes, the effects of which have disrupted the traditional economies and cultures of its rural/tribal communities and caused a widespread loss in agriculture, pastures, thorny scrublands and marshes of this important bio-cultural unit of the region. Fundamentally optimistic in its approach, the studio will attempt to present creative and comprehensive models of resilience and adaptation that can help local communities that have existed for thousands of years survive and thrive on lands that display extreme temperaments that are now amplified by climate change - here the erratic nature of monsoon spells. It will attempt to spell out ways to restore and augment the symbiotic alliances of the pastoral and agrarian nature-culture systems through landscape inserts. These assembled inserts will express intangible indices of co-existence between cultures and nature through re-tracing and imagining the pastures, fields, and wetlands that can help break the strains of extreme "Dry saline and wet submerged cycles" and sustain itself in the engulfing urban fabric.

Prerequisite: Only for MLA 2nd and 4th semester students who have completed MLA semester I.

Typology	Studio
Credits	14
Monday	09.30-13.30
Wednesday	09.30-13.30
Thursday	10.30-17.30

MANDATORY COURSES

POSTGRADUATE PROGRAM IN LANDSCAPE ARCHITECTURE & DESIGN
SPRING SEMESTER 2019 - 2020

Semester 4

1589: Thesis/DRP/Capstone Project

Instructor/s: Deepa Maheshwari

Each student is required to select a topic for a thesis project, before end of third semester in consultation with faculty members. The thesis project as far as possible, should demonstrate a research methodology which may lead to natural resource management, regional landscape planning, master planning or large scale issues in the field of landscape. The project work must clearly present student.

Prerequisite: Students who have cleared Landscape Design studio I, II and III

Typology	Thesis
Credits	15
Friday	12.00-13.00

LA4005: Reimagining Water

Instructor/s: Sandip Patil

This studio will identify and analyze multi-dimensional water systems that have evolved from protohistorical era to modern day, in order to design a socially operative design insert for the modern city. The studio will begin by mapping natural water systems as well as physical and socio-cultural (management) attitudes to water from protohistory to modern day. Inferences from each system and attitude will be used to build a systemic thinking web, and tested against contemporary attitudes. Students will explore brief making through transformations in linkages between elements. These transformations will be abstracted through mixed media and models to arrive at a design framework that integrates physical as well as social operations. The design framework will be applied to selected sites in order to create a hypermodern water infrastructure that will mimic a natural continuous loop while also engaging with the society.

Prerequisite: Only for MLA 2nd and 4th semester students.

Typology	Studio
Credits	14
Monday	09.30-13.30
Wednesday	09.30-14.30
Friday	11.30-18.30

LA4006: Site/Sight/Insight

Instructor/s: Anjali Jain, Priyal Shah

“The landscape is never complete: neither built or un-built, it is perpetually under construction. This is why the conventional dichotomy between the natural and the artificial, or manmade components of the landscape is so problematic”. - Roberto da Matta as quoted by Peter Jacobs, Echoes of Paradise: Fernando Chacel’s Gardens in the coastal plain of Jacarepagua, Contemporary Garden Aesthetics, Creations and Interpretations. Landscapes and cities are viewed as seemingly being dichotomous. Yet both are critical to the existence of the other - cities and people on landscape/nature not just for survival, but for shared identity, meaning and dwelling, and in current times, as Peter Jacobs puts it “sustainability of landscapes needs more than conservation or even restoration - it requires human creativity and the magic of art to provide meaningful and publicly valued landscapes”. The studio will investigate the many natures in and around the city. It will look at devising frameworks and methods for forging new connections between the materials and network of landscapes and the many systems of the city and the people.

Prerequisite: Only for MLA 2nd & 4th semester students

Typology	Studio
Credits	14
Monday	09.30-13.30
Wednesday	09.30-13.30
Friday	10.30-17.30

MANDATORY COURSES

DOCTORAL PROGRAM IN ARCHITECTURE

SPRING SEMESTER 2019 - 2020

Semester 2

DA5101: Debates in Arch: Language, Context, and Ideas

Instructor/s: Kaiwan Mehta

The seminar will focus on discussions around architecture through the twentieth and twenty-first century. Through a set of essays, books, and case studies of buildings the sessions will develop a chronological understanding of architecture - theory and debates through the last 150 years. The changing understanding of architecture - critical readings as well as practice will be of core importance for this seminar. The student will be required to familiarise with the range of texts, theories and debates, as well as articulate a critical and argumentative understanding of architecture through the periods of industrialisation, modernism, postmodernism, and following periods up to the contemporary. Although the course will draw from the broadly European and American world of theories and debates, there will be an underlying reference to India more specifically at all times. The seminar will employ the debates in modern and contemporary architecture in post-independence India as a kind of filter/lens to visit the last hundred-fifty years of debates and arguments on architecture in general.

Prerequisite: Mandatory for Semester 2 MPhil/PhD students (FA). Open as elective for all PG students

Typology

Credits

Tuesday

Courses

3

14.30-16.30

DA5201: Reading Architecture Narratives: Building through Visual and Material Histories

Instructor/s: Kaiwan Mehta

This is a course in research methodology that explores the visual understanding of architecture, especially architecture's expression as a narrative and text in a context of space and time. Architecture as a visual and material text is parallel to architecture as a spatial experience, and this will be studied and explored in the course as interrelated processes. The course will explore ways in which the visual reading of an architectural form and surface builds into a material and spatial experience and knowledge produced and represented by a building or built fabric. This will require a critique of certain form(architecture drawing)-based and Euclidean-geometry analysis of architecture, where architecture is understood as a stable and frozen object in time, once constructed. After which the course will introduce ways, systems, and methodologies of developing and constructing a set of tools and processes to develop a narrative reading of architecture through objects such as symbolism, style, scenography, object-semantics, etc. The course will employ the mode of the case study, along with some theoretical texts.

Prerequisite: Mandatory for FA MPhil/PhD second semester students. Open as elective for PG students

Typology

Credits

Tuesday

Courses

3

16.30-18.30

ELECTIVE COURSES

FACULTY OF ARCHITECTURE

SPRING SEMESTER 2019 - 2020

AR2717: Time, Space and Writing - Methods in reading, analysis and writing of texts

Instructor/s: Kaiwan Mehta

This course will introduce students to the basics of texts and writing, such as the ideas and content a text contains and proposes, or its structure and argumentation, or style and form of writing; these texts will be from the field of culture and society in the contemporary world, as well as architecture and the city. The aim is to expose students to key texts in each these realms through a case study approach - where a selected set of texts will be studied and discussed in the class from the perspective of content, author, style, context, language, references, etc. The case studies of some seminal texts will centrally focus on the relationships between poetics and politics, form and content. Through discussions in class, short review writing the students will be encouraged to develop methods and systems that come handy while reading and studying a text. The texts selected for discussion will also come from a range of text typologies, such as long-form journalism to newspaper editorials and guest columns in newspapers, to more academic texts, narrative as well as technical writing on cities, to review and features on architectural projects and essays issues cultural and architectural.

Prerequisite: None

Typology

Credits

Tuesday

Courses

2

10.30-12.30

AR2718: Making of a Forest City

Instructor/s: Vyom Mehta

MAKING OF A FOREST CITY What is a forest system? Why should we think of a forest and a city together? The city is an idea constructed on separation, based on the belief that the human is above and beyond all natural systems. Is the current city system unsustainable? If it is so then what are the necessary shifts necessary for any form of sustainable dense human habitation? What is sustainability? In this elective we shall first explore the city as an idea and further identify our concerns about the city structure as a whole. Individually go through a design process to find solutions to specific concerns. We are not looking to create working drawings but rather to challenge possibilities by throwing up the unthinkable, the undoable, the more ridiculous the solution the better. As a group we shall also map the city, this mapping would be built upon previous mapping exercises done within the Cept University and by other individuals and organisations. The mapping exercise would also include field work to verify and add information to the already available data, updating it to the present. This mapping exercise would form the base for future city interventions.

Prerequisite: None

Typology	Courses
Credits	2
Tuesday	08.30-10.30

AR2719: Material Matters

Instructor/s: Pranav Kochatta

The course introduces the students to the medium of clay through working with archetypical forms using hand-building and wheel throwing techniques. The course would cover basic clay theory and some insight into a systematic manner of working with clay in a workshop setup. Along with self-exploration, demonstrations and/or presentations on other possibilities like industrial methods of production (casting and jiggering), different firing techniques (pit, oil, gas, wood, raku) will be conducted parallelly throughout the course. The course is specific to skill development which students can employ in their explorations. Prior experience with clay is preferable but not mandatory; exercises will be allocated accordingly. The course will be co-tutored by Pranav and Naomy. Each session will be of 4(2+2) hours. The first half of the class will begin with presentation/demonstration relevant to the session whereas the second half will comprise of hands on making. Please make sure you don't have any other commitments for those 4 hours.

Prerequisite: Open for all

Typology	Courses
Credits	2
Tuesday	14.30-16.30

AR2720: Polyhedra Deconstruction

Instructor/s: Anand Viswanathan

In three dimensional geometry, a polyhedron (plural polyhedra) is a solid with flat polygonal faces, straight edges and sharp corners or vertices. The word polyhedron (as well as the naming system) comes from the Classical Greek; poly (many) + hedron (base or seat). Regular Polyhedra are often named according to the number of faces and may be classified into Platonic, Archimedean, Johnson, Kepler-Poinsot and Prisms & Anti-prisms. The objectives of this elective will be:- 1. To understand three dimensional geometry principles through division of space with a tacit/ visual/ demonstrative approach. 2. To apply the principles for human scale spaces/ structures/ models and objects. 3. To develop keenness to integrate and assimilate interdisciplinary knowledge for a selected design domain. 4. To explore design process through model construction as an attitude for generating fresh ideas. 5. To develop an eye for precision/ detail/ structure/ representation.

Prerequisite: The student should be interested in three dimensional geometry. The student should be ready for hands-on model making and a lot of hard-work. The student should be very well versed with software such as AutoCAD.

Typology

Credits

Tuesday

Courses

2

14.30-16.30

AR2721: Design Methods

Instructor/s: Vishwanath Kashikar

Plowright (2014) suggests two camps of architects in relation to the question of design methods- the designer artist and the designer scientist. The former believes that any attempt to codify and categorize design methods is detrimental to the artistry exploration and innovation intrinsic to the act of designing. The latter camp, in its attempts to distinguish design from art, searches for tools and techniques to achieve robustness and predictability in design. Instead of aligning itself with either of the two camps, this course shall explore the myriad design methods, tools, and techniques used by designers to arrive at specific design solutions. Multiple design iterations of the given design problem will be attempted by each student to familiarize them with these methods. The design problem involves providing a solution that simplifies the task of the security guard stationed near the Visual Arts Centre in the CEPT campus. The course shall be conducted primarily in the blended learning mode with the flipped classroom method. Students will be expected to view the session reading material prior to the class.

Prerequisite: Completed first year UG in FA, FD or FP

Typology

Credits

Tuesday

Courses

2

10.30-12.30

AR3700: Exchange Elective

Instructor/s: Vishwanath Kashikar
only for outgoing Exchange Students of FAUG

Typology Courses
Credits 6

Prerequisite: Only Exchange outgoing students will register for this course

Tuesday 08.30-10.30

AR3702: POETRUSIC

Instructor/s: Neha Krishana kumar

Typology Courses
Credits 2

POETRUSIC aims to introduce students to the world of Poetry in four languages: English, Hindi, Urdu and Sanskrit. A detailed framework of Poetry Appreciation shall be evolved over the course of the semester through which the aesthetic of each piece of poetry shall be discerned.

Tuesday 14.30-16.30

Prerequisite: Open to all

AD4998: FA PG - Exchange Elective I

Instructor/s: Vishwanath Kashikar

Typology Courses
Credits 2

Only for Exchange students of FA-PG.

Prerequisite: Only for Exchange students of FA-PG.

Tuesday 08.00-08.30

AD4999: FA PG - Exchange Elective II

Instructor/s: Vishwanath Kashikar
Only for Exchange students of FA-PG.

Typology Courses
Credits 4

Prerequisite: Only for Exchange students of FA-PG.

Tuesday 08.00-08.30

LA4703: Field Study of Plants

Instructor/s: Divya Shah

The course emphasizes on field visits as a mode of understanding and appreciating plants for their varied physical attributes. Students understand in detail all attributes of plants with emphasis on identifying features such as shape, size, habit, branching pattern, flower, foliage, fruit, and other remarkable aspects and values. The course will also look at innovative ways of documenting flora.

Prerequisite: : None

**Typology
Credits**

**Courses
2**

Tuesday

08.30-10.30

MANDATORY COURSES

UNDERGRADUATE PROGRAM IN INTERIOR DESIGN
SPRING SEMESTER 2019 - 2020

Semester 4

IR2609: Industrial revolution & Arts and Crafts movement

Instructor/s: Asha Mandapa, Supriya Gautam pal

Whereas proponents of the Industrial Revolution encouraged mechanization and new technology, people in the Arts and Crafts movement looked back to the Middle Ages. Both groups firmly believed in progress - the improvement or even perfectibility of the human condition - yet one group looked to the future while the other favored a return to the past. Mechanization caused rapid and dramatic social changes that continued into the Victorian period (1837-1901). Starting with James Hargreave's spinning jenny in 1764, technology virtually reinvented the textile industry. Other inventors soon developed the spinning mule, vertical power looms, the flying shuttle, and the cotton gin - all powered by steam in factories rather than home workshops. Chronologically spanning between the ideas of classicism and romanticism, Middle Ages to Modernism, the key events- discoveries – inventions - people and propellers, the course pivots the discussion on Art & Craft- Design and Built Environment.

Prerequisite: FD UG 2nd Year (4th Sem) students mandatory course.

**Typology
Credits**

**Courses
2**

Thursday

14.30-16.30

IR2600: Components and Systems for interior Design

Instructor/s: Ramesh Patel, Vishal Joshi

This is an introductory course for Interior building materials and systems. Each Interior Design element fulfils a set of requirements either conceptual and programmatic. These requirements are either role based or are there to solve specific problems such as space division, volume articulation, scaling of space, accommodating services, need for privacy, controlling noise, etc. The elements of Interior Space can be put into 3 categories based on the roles they perform. These are technology, Environmental, and Spatial. These elements are Openings, Partitions, False ceilings, Staircases, and Floors. This course will look at both the construction and application of these Interior elements in the space. This course aims at defining/analyzing the role of elements by their problem-solving ability rather than their given name, engineering definition or spatial typology. Both Functional and environmental considerations about building technology, and the role of Interior Designers in improving the quality (Spatial, environmental, and physical) are the topics that will be covered.

Prerequisite: For Faculty of Design UG 2nd year students only + backlog students

**Typology
Credits**

Courses

2

Wednesday

08.30-10.30

Semester 4 & 6

BD2002: Expeditions in Non Metal

Instructor/s: Sadasivan Iyer

The Built spaces (domestic or work) of today pose challenges to meet the need of specific products to be designed and manufactured. The products will be needed to meet the demands of life style and technology changes. This studio will introduce a design thinking process to find solutions for the products made of nonmetals in the built environment. The modules/tasks planned in the studio will enhance the learning of materials; manufacturing, human factors etc. The learning process will enable the students to apply learned fundamental principles to multiple three-dimensional forms, structures, and products. Students will use various model making methods. Students will address the historical context of the design of products as they practice critical thinking, research, problem solving, and aesthetic refinement. Projects require sketches, models, written reports and verbal presentations of the explorations on the identified products and systems. Students develop their individual creative process through the exploration and manipulation of materials and methods to express a visual response to themes or contents.

Prerequisite: Should have completed foundation courses

Typology	Studio
Credits	14
Monday	08.30-13.30
Monday	14.30-17.30
Wednesday	14.30-17.30
Thursday	09.30-13.30

IR2002: Designing a Structure

Instructor/s: Ajay c Patel

The idea of a living is continually changing but the fundamental of structures remain unchanged. It is believed that good structural systems are organizations of responsible components sharing respective duties within the whole and harboring strong connections with each other. Through this studio, students will develop a critical understanding about structural elements and systems. They will study different case studies to analyze efficient forms, structural systems and construction details knowing the material properties (compressive-tensile mix). The students will express their own rational & pragmatic opinions about the interdependent relationship between forms, structural elements and design spaces. The ability of critical observation and analysis will be achieved through a series of exercises, model making and discussions with other faculties also. Finally their creative output will exercise in designing a small functional space about 250 sq.mt. area. The design engagement will provide enough complexity to understand spatial organization, structural systems and construction challenges. They will have their individual choices of material and functional setup. The output of sketches, drawings, and 3d/ physical models will communicate their critical analysis and design ideas.

Prerequisite: FD UG 2nd / 3rd year students - GOOD SKETCHING, RENDERING, DRAFTING, AUTOCAD, SKETCHUP.

Typology	Studio
Credits	14
Monday	10.30-13.30
Monday	14.30-17.30
Wednesday	14.30-17.30
Friday	10.30-13.30
Friday	14.30-17.30

IR2008: Beyond detail

Instructor/s: Naandi Parikh

Shopping is changing radically in response to impacts of ambient Internet access technologies. If shoppers' take the trouble to visit shops rather than clicking on-line, they expect stimulating experiences beyond wall-to-wall product displays. They demand new engagements between suppliers and customers. Cutting edge retail design is about providing these new experiences. The studio work will be in three stages ? Research: Following the selection and study of and existing luxury brand students will develop their own unique brand. ? Design: The values and characteristics of this new brand will then be translated into a concept design of a 275m2 retail space. ? Detail: Finally, the design will be developed in detail. Plans, sections and elevations of all parts of the design will be prepared in the form Students will work individually on a retail project. Students will develop the following throughout the semester: 1. Select the brand 2. Develop Client Brief based on the research of the brand 3. Space Planning of the retail store with concept design 4. Furniture Design and Detailing 5. 1:1 Prototype making of the display while working in the retail fixture factory for 2 weeks.

Prerequisite: Students should have at least cleared 2 design studios and should have the basic knowledge of autocad, photoshop, indesign & sketchup

**Typology
Credits**

Studio

14

Monday	09.30-13.30
Monday	14.30-18.30
Wednesday	14.30-17.30
Friday	09.30-13.30

IR2015: Encounters with the past: Exploring approaches towards interventions in a historic context

Instructor/s: Janki Contractor, Mudra Shah

The reappearance of the past in the appearance of a present context defines the permanence of a city's history. Over a period of six centuries, Ahmedabad has endured a varied occupancy leading to the city being august for its explorations in the discourse of architecture. The city strikingly houses the Indo-Islamic architecture that falls under Mughal architecture from Ahmed Shah's conquests; it witnesses the architectural constructs from the colonial rule as well as marks the first wave of modernist architecture in India through Corbusier's edifices in the city. Ahmedabad almost acts as an architectural palette reflecting upon its timelines. Our design studio 'Encounters with the Past' focuses on this notion of celebrating the rich history of Ahmedabad in a historic context of the city through an interpretation centre. The studio explores the translati The core intent of the studio is to be able to design an introvert space underground complementing an existing historic structure , to be able to explore various solutions of fenestrations, inside-outside connections, controlling/bringing in light, ventilation, etc. with an approach different from when designing above the ground. Explorations based on Light, Materials and Interior Details will form an integral part of the studio.

Prerequisite: FD UG 2nd / 3rd year students

Typology	Studio
Credits	14
Monday	10.30-13.30
Wednesday	14.30-17.30
Thursday	10.30-13.30
Friday	14.30-17.30

IR2018: Art of Detailing

Instructor/s: Vasav Bhatt

This studio targets to join the gap between academics and practical world where students can explore their ideas with the help of different materials and transform them into reality through prototypes and models. This studio focuses on detailing of different Interior making elements like Paneled Doors, Windows, Gates, Paving Details, etc. This studio will help students to enhance their knowledge in designing and detailing of different elements. The studio demands thorough knowledge of AutoCad, Google SketchUp or Any other 3D software, Photoshop and InDesign along with sketching skills to communicate their ideas effectively. Hands-on workshop skills required for model and prototype making. This studio will help students to enhance their knowledge in designing and detailing of different elements. In the design exercise, the students will first analyze, in detail, the design and construction of a range of interior elements and propose new details to that element through sketching, technical drawing, modeling and construction of full-scale prototypes to join the bridge between academics and practical world.

Prerequisite: Knowledge of Autocad, Google Sketchup, Model making skills, Sketching

**Typology
Credits**

Studio

14

Monday	09.30-13.30
Monday	14.30-17.30
Wednesday	14.30-17.30
Thursday	08.30-13.30

IR2022: Reimagining the Vernacular

Instructor/s: Jay Thakkar

Vernacular in the broader context can be stated as ‘for the people, by the people’. In this studio, the context of vernacular is a Gundiyali village in kutch which constitutes nearly 60 terracotta craft practices. The intention of this studio unit is to create interactive environments based on the narratives of these crafts practices through in-depth interaction with the craft community. These environments will be generated through the medium of interdisciplinary design like game design, graphic design, exhibition design, storytelling and space-performance art. Gundiyali will be the primary site for design. The unit will draw references from the research conducted over a period of four to five years by the tutor and his research team (DICRC, CEPT) in terracotta crafts of Kutch and especially craft tourism. The studio unit intends to expand students’ knowledge about the interdisciplinary design and curation of the experience through exposure to multiple craft practices, site visits to kutch, playing various analogue and digital games and lectures by the experts. The studio will explore various pedagogical methods of identifying issues and narratives and experiment with multiple media of representation from storybook to board game to narrative craft to mix mediums.

Prerequisite: Completed Foundation Year

Typology	Studio
Credits	14
Monday	10.30-13.30
Monday	14.30-17.30
Wednesday	14.30-17.30
Thursday	10.30-13.30
Friday	10.30-13.30

IR2024: Exploration of Design: Material in focus

Instructor/s: Ramesh Patel, Vishal Joshi

Typology
Credits

Studio
14

The studio will require students to evolve a fresh design based on the programmatic requirements introduced at the onset of the semester and produce detailed construction drawings for same, implementing their learning from sequentially crafted and regularly discussed exercises during the tenure of complete semester. These exercises will be introduced and conducted with an intention for the student to experience methodology adopted for execution of actual project on site, in real-time. Although project budgetary constraints are ignored to allow exploration of design & material. The process adopted for the semester-it will require students to study various construction materials and their properties from predefined material palette. The criteria for selection of material will be based on their understanding of their client's requirements and nature of services / work that client offers. Subsequently the student will analyse the parameters that they wish to explore & exploit. This will be in direct reference to earlier mentioned governing criteria. Hence the resultant combination will be a well thought and analyzed material palette, which will be client / profession specific. This method of material exploration and subsequent design transformation will lead to detailed design outputs.

Monday
Thursday

08.30-13.30
08.30-13.30

Prerequisite: Knowledge to operate Cad or similar software effectively. Knowledge of any 3D modeling software is an added advantage. Basic model making skills are a must.

IR2025: In-Detail: Making is realizing

Instructor/s: Niyati Patel, Vishal Wadhvani

Today as creators, we find ourselves amid a new paradigm shift of 4th industrial revolution - where our physical and digital worlds are completely blended together. This revolutionary digitized transformation has changed how we design things, how we make things, who makes these things and the very nature of what we make. Design no more exists passively on drawing board as amalgamation of abstract ideas and functionalities but it actively addresses issues related to material optimization, making techniques, etc. at ideational level. The background concern of this studio unit is to bridge the gap between abstract drawing board ideas and making techniques - Both in the way; how ideas can be embodied in materials and making processes and how thinking through materials and making processes can tease out ideas. Academically to find some precision in such method, instead of working on abstract concepts, an analogical method will be introduced at the starting of semester as a kick off point & later each student will be given specific material or production technique as a constraint to work his design upon. Studio considers - the iterative 1:1 prototype making process as an important facet to validate design decisions .

Prerequisite: FD UG 2nd /3rd year students

Typology	Studio
Credits	14
Monday	10.30-13.30
Wednesday	14.30-17.30
Friday	10.30-13.30

IR2029: Travellers Home

Instructor/s: Shikha Parmar, Shweta Jain

The unit explores and sprawls through the streets of old city of Rajasthan, which is composed with layers of history, culture, food, local materials, and lakes; one has to extract the impression and attributes from the elements of the city. Sequential exercises and observations stitches together a series of spaces to form a travelers home, where a group will be welcomed to an abode during their pause from a travel. This home shall facilitate the travelers to engage into the city, lending memorable experiences. To identify the difference between a permanent and a temporary shelter, rethinking activities and arranging them in reference to the backdrop of the city, remains the major challenge. Composing impression posters, making diagrams of organization principles, anthropometric dimensions for travel activities became a set of tools. Playing levels within volumes, articulating windows, plinths, staircases, selecting materials responding to city, binds together to formulate a design language. Being provided an actual location in the city as a site one has to address and integrate the above specified tools to configure a harmonious spatial experience for the user, which shall be expressed through rendered plans, section, perspectives and detailed models.

Prerequisite: Completed foundation program CFP

Typology Credits	Studio
	14
Monday	08.30-13.30
Monday	14.30-17.30
Thursday	08.30-13.30
Friday	11.30-13.30
Friday	14.30-17.30

IR2030: Deployable Systems - Form, Space and Function

Instructor/s: Jinal Shah

The studio intends to explore the potential of deployable systems of Origami and scissor mechanism to generate user-defined multi-functional spaces within a context. The student will engage in understanding, analyzing, mapping, exploring the interdependent relationship between form, space, and function. The studio will be divided into 3 parts. The first part intends to explore the concept of multi-functional spaces by understanding and analyzing the needs, aspirations, movement patterns of an existing and potential uses within a specific site. The second part intends to explore the deployable systems of Origami and Scissor Mechanism. The third part intends to engage the students in the process of design development. The students will explore the application of the deployable system to design a structure, which response to the spatial needs of both users. It also aims at understanding the working details for the deployable structure. The final outcome of the semester will be an in-depth presentation of the working of the deployable system designed for a user-centric multi-functional space and a scaled 1:2 / 1:5 model of the selected deployable structure, constructed using different materials.

**Typology
Credits**

Studio

14

Monday	10.30-13.30
Monday	14.30-17.30
Wednesday	14.30-17.30
Friday	10.30-13.30
Friday	14.30-17.30

Prerequisite: The students should have basic software skills to make presentation and working drawings.
InDesign * Sketch Up / Rhino

* AutoCAD * Photoshop/

IR2031: Elements of Form and space

Instructor/s: Amal Shah, Gaurang Shah

• A form is an image presented by the outer surfaces of an object or a structure • A form is a way in which an object is perceived or the manner in which it is intended to be perceived • A form must be viewed from the users perspective and in relation to its environment • Form sets up a relationship or a dialogue with the user or perceiver • A form conveys meaning • The form is based on certain factors such as knowledge of what people like or dislike, what their aspirations might be and how they react to degrees of complexity or simplicity • Forms have a relationship with the culture and traditions of a given society "Form" is a totality of sensorial experience. Every object, impression, phenomenon existing is a form in one way or the another. In terms of visual perception, every form has a surface or surfaces, i.e., the outermost part of the form directly in contact with the space surrounding it. Every form is perceived by its surface (excluding transparent and translucent forms where the inner content of the form is also seen). In other words, this is the stage when one begins to understanding the form. Other aspects then follow in due course of one's experience with the form.

Prerequisite: Basic Foundation skills such as Sketching, Drawing, handling workshop tools, understanding of composition, the basic model making skills.

**Typology
Credits**

Studio

14

Monday	10.30-13.30
Monday	14.30-17.30
Wednesday	14.30-17.30
Friday	10.30-13.30

IR2032: Decoding Poetics of Space

Instructor/s: Jagrut Raval, Hinal muzumdar Vyas

As designers, artists, creative individuals we are poets at heart. How can we design without romanticizing about space? The fact is that poetry doesn't exist in the books in the library. Poetry is in the journey of reading the book. You change as a person in that journey. Poetry is the encounter of the reader with the book, the discovery of the book. For the winter semester of 2020 we shall make the book Poetics of Space by Gaston Bachelard as our dharma granth, bible, or koran or more like the constitution of India. 10 exercises in the semester will respond to the 10 chapters of the book. Each chapter of the book will be read-reread-analyzed-torn apart-critiqued during each week. Text shall provide visual genesis for the design exercises throughout the semester. Students and faculty will do periodic readings together to interpret and understand various meanings of the text. Students will be given specific exercises to broaden their repertoire of elements of space which will help them to build and construct spaces. All exercises will be done keeping the text of the book in mind. The Poetics of Space by Gaston Bachelard places special emphasis on the interior domestic space and its component: the various rooms and the different types of furniture in it.

Prerequisite: Completed foundation year

Typology	Studio
Credits	14
Monday	10.30-13.30
Wednesday	14.30-17.30
Thursday	10.30-13.30
Friday	10.30-13.30

Semester 6

IR2610: Story of Art

Instructor/s: Jaai Kakani, Kireet Patel

What is art and why do we make it? When, where and how does the creative seed germinate and in what form does it manifest? Through a series of critical inquiries, discourses and reflective study, this course encourages students to embark on a journey across time zones and cultures, to reflect on a core human need - the need to make and the need to imbue what is made with values beyond the mere utilitarian. Art here, is not just the Fine Arts or the Plastic Arts, but rather a creative endeavour where the 'Maker', the 'Made' and the 'Experienced' interact through Art, Crafts, Design, Architecture and the Narratives. As a final outcome, students will be encouraged to build on their own researched inquiry related to each session which will culminate in an end-term exhibition.

Prerequisite: Level 2, 6th Semester FD/UG ID

Typology	Courses
Credits	2
Wednesday	08.30-10.30

IR2611: Skins, Surfaces & Finishes

Instructor/s: Chirag Doshi

The Knowledge & understanding of the variety & types of Surface treatments in Interior Design is a key aspect of a professional today. Today, a Designer is spoilt for choices with the sheer variety of Surface treatments available, hence it is of great importance to know all the possible treatments & finishes available, so that the Designers makes the right choice as per their concept & design. The course will introduce 10 different Skins, Surface Treatments & Finishes in 10 weeks with studies, lectures & guest lectures from relevant experts. Factory visits, retail visits, demonstrations from Industry experts will be part of the Course. Students will be then required to do a thorough Research on the Material of the week & present the studies along with samples in the coming week. This exercise will enable them to study & understand a variety of features, specifications, sizes & other technical details of any given Material. It will also prepare the Students to use this knowledge in making Material boards & application in their Design Studios & further. The Final 2weeks will be culmination of these Studies through a small design problem.

Prerequisite: Mandatory course for Faculty of Design UG 3rd year students

Typology	Courses
Credits	2
Thursday	14.30-16.30

Semester 7

IR3000: Office Training

Instructor/s: Naandi Parikh

This course is taken in various approved offices where the student will work as an intern. Students are required to maintain proper time sheets of the projects they are working on. This course allows the students to explore different areas of the office and at the same time they will also be exposed to various projects. Students are required to learn new skills that they will be able to apply in L3 studio.

Prerequisite: Students from FD who have cleared 6th sem

Typology	Office Internship
Credits	20
Monday	10.30-18.30
Tuesday	10.30-18.30
Wednesday	10.30-18.30
Thursday	10.30-18.30
Friday	10.30-18.30

IR3603: Interior Design Practice -2

Instructor/s: Naandi Parikh

This unit builds on the learning in professional practices, processes and procedures established in Interior Design. Students in this unit will explore the fundamental elements of current business practice within the profession of Interior Design including but not confined to business and ethics; facilities management; business management; professional practice and sustainability; professional presentation and the importance and understanding of developing trans-disciplinary teams to improve an effective design outcome. This is achieved through 22 weeks of training.

Prerequisite: Only for FD UG Office Training Registered Students (2016 batch only)

Typology	Independent Studies
Credits	1
Monday	08.30-09.30

Semester 8

IR3600: Appropriate and Emerging Design Technology

Instructor/s: Mohammedayazkhan Pathan, Mragendra Chaturvedi

This course offers an introduction to the emerging materials and technologies that have started affecting the way we perceive and construct in the field of interior design. On one hand, the course will explore emergent materials, material processes attached with emergent materials, and systems such as artificial intelligence(AI) that effect the indoor environment. On the other hand, the course will try to cover the green building initiative, which talks about interior materials and processes that are environmentally responsive and resource-efficient throughout a building's life-cycle.

Prerequisite: FD UG Level 3 students Mandatory course

Typology	Courses
Credits	2
Wednesday	10.30-12.30

IR3606: Design Ethnography

Instructor/s: Seema Khanwalkar

This course attempts to explore some meaningful ways in which ethnography can inform a design conceptualization process. The course aims to focus on the details of everyday life to provide inputs into what is needed and what is missed. Design ethnography is an emerging discipline that draws on the theories and methodologies of the social sciences, especially anthropology, behavioral sciences, sociology etc. It has become imperative today to conduct ethnographic research for design professionals as we move into the next century where people's lives have become more complex, and even more unpredictable

Prerequisite: FD Level 3 Mandatory course

Typology	Courses
Credits	2
Wednesday	08.30-10.30

Semester 8 & 9 & 10

IR3002: Brand Building through Spatial Design

Instructor/s: Ruchi Mehta

This studio will focus on developing design approach for using spatial design as a tool for brand building. It will include carrying out research to understand the brand, development of strategy and development of design details. The students will select their own design problems / brand for this studio. They will have to select a brand based on one of the following criteria: • A brand that is looking to diversify and expand its product/service portfolio • A brand that is primarily an online brand that is looking to build a flagship store • A brand primarily into dealership model looking to build an experience center • A brand that is looking to re-vamp its brand image • A brand that is for a new product/service category The students will have to develop an interpretation of brand's overall strategy, select the site and develop program based on their preliminary understanding of the brand. They will then produce spatial design solutions that contribute in its brand building and present the design with a complete set of drawings, models and views and graphics to communicate the strategies.

Prerequisite: Basic space planning and drawing and visualization skills

Typology	Studio
Credits	14
Monday	10.30-13.30
Monday	14.30-17.30
Wednesday	14.30-17.30
Thursday	10.30-13.30
Friday	10.30-13.30

IR3006: FORGOTTEN / TRANSFORMED

Instructor/s: Errol Reubens, Ratna A shah

Cities change constantly in the open ended spectacle of daily life, with the construction of new buildings and repair or demolition of old and redundant structures. However, within this urban flux, some elements endure. Firstly, there are the major urban spaces, the exemplary works of architecture, and memorials to significant historic events. Over centuries, these urban-artefacts become symbols of civic identity, embedded in the memory of citizens. Secondly, there are those structures that endure through adaptation, embracing change by appropriate new uses to old spaces. This studio explores the “creative” potential of building adaptation. Students will discover the potential of interior design to transform entire buildings, and consequently the city in which they exist. The studio will focus on suitable retired buildings in a city, blurring the conventional boundaries between urbanism, architecture and interiors. We will research every aspect of the existing architectural space and fabric, including its history and setting, the essence of its emotional power, and its place in the collective urban memory. We will then design inspiring interior-architectural transformations that will generate new spatial purposes, experiences, expressions, meaning, emotions and memories.

Prerequisite: Completed 3rd year FD, FD UG 4th & 5th year students

Typology	Studio
Credits	14
Monday	10.30-13.30
Wednesday	14.30-17.30
Friday	10.30-13.30

IR3009: XYZ of ABC

Instructor/s: Kireet Patel

The studio will enable the skill of designing a process of assembly to solve design problems. It focuses on the role of field related technology and construction methods and explores the relationship between making and expression. Established design knowledge of the field needs systematic and structured explorations through assembly based practices. This studio also recognises technological changes influencing today's interior design related problems such as generating a response to the nature and complexity of context. A.B.C.- Assembly Based Construction Module 01 will focus on development of a design process for ABC. Module 02 will be immediate application and evaluation of developed ABC to modulate relationships between selected program and typology of built spatial systems. Module 03 will derive a spatial system that will transform the selected site into 'A PLACE FOR ABC'. Evaluate the necessary approaches of making and construction, that are to be known and studied to be as Assembly based construction practices. Appropriate ABC in the given site constraints such as spanning of elements, vertical core, space-dividing, display, etc. based on the development of Kit of parts for spatial interventions

Prerequisite: Students should have decent knowledge of utilising workshop equipments for model making and related design softwares.

Typology

Credits

Studio

14

Monday

14.30-18.30

Wednesday

14.30-18.30

Thursday

09.30-13.30

Friday

14.30-17.30

IR3010: Reuse & Revive: Hospitality spaces

Instructor/s: Dexter Pereira

Focus of the studio is on the detailed design of interior spaces and elements framed by critical interrogation of key debates, positions and practices in conservation & reuse. Studio explores notion of socio-cultural context while developing an appreciation for built fabric with heritage values. The core of the studio dwells into creating meaning of place, sensitive to its earlier roots while superimposing a new function with respect to user experience. Initial weeks of studio will be focused on introducing and sensitizing students about the meaning of adaptive reuse by undertaking case studies and specific research exercises (which includes socio-cultural, contextual & regulatory aspects of adaptive reuse). Students will then explore in-depth reasons & attitudes revolving around user experience, material use, tectonics using models explaining interventions & inferences. This combined knowledge will be put to test via series of time problems exploring spatial possibilities. Post spatial explorations, students will be required to reflect upon their learning & cohesively design with respect to a given hospitality program on a heritage site. They will also work on resolving interior environment quality with reference to interior services integral to such projects.

Prerequisite: Fluency in CAD and modeling software. Completed at least one planning based studio. Willingness to put in long hours of work in the studio.

Typology	Studio
Credits	14
Monday	08.30-13.30
Monday	14.30-17.30
Wednesday	14.00-17.30
Friday	08.30-17.30

IR3011: Interior | Skin | Context

Instructor/s: Mohammedayazkhan Pathan

In architecture and design, the design process typically starts with defining the 'Shell/Architecture' of the building as a first step. The factors affecting the 'Shell'/'Architecture' are, by and large, 'external' in nature such as: climate, privacy. The idea of 'Shelter' dominates the process of design and plays crucial role in generating form of the building. The interior elements are generated as next step in the process in a manner that justifies the requirements 'imposed' by the 'shell'. In this process, the 'architecture'/'shell' becomes a dominating force in determining interior layout and interior elements. The intent of this unit is to find a synthesis in the design process such that the 'boundary' between 'architecture' and 'Interior Architecture' gets dissolved, to pave the way for a built form that is primarily a resultant of 'Interior Architecture'. In order to achieve this, studio will focus on a process that seeks to 'reverse' the above mentioned traditional design process. In this studio-unit, students will be encouraged to evolve interior elements and systems as first step in design process; the 'skin'/architecture of the project will be generated as next step by synthesising the conflicting requirements generated by the 'interior' and 'exterior' forces.

Prerequisite: Completed 3rd year FD

Typology	Studio
Credits	14
Monday	10.30-13.30
Monday	14.30-17.30
Wednesday	14.30-17.30
Friday	10.30-13.30
Friday	14.30-17.30

IR3598: BID-Exchange Studio

Instructor/s: Naandi Parikh

It is an Exchange Studio. Students study studio units offered in the host university and their work will be evaluated by the university.

Prerequisite: Only for BID exchange going students

Typology	Studio
Credits	14
Monday	08.30-17.30
Wednesday	08.30-11.30

Semester 10

IR3602: Studio Report

Instructor/s: Naandi Parikh

**Typology
Credits**

Courses
1

Studio Project report writing.

Saturday

09.00-17.30

Prerequisite: Only for BID 14 batch students who are doing L3 studio

IR3607: Research Writing

Instructor/s: Supriya Gautam pal

**Typology
Credits**

Courses
2

The course takes you through fundamental concepts of academic writing and reading closely to analyze texts and question sources; reasoning with evidence; organizing persuasive and well-structured arguments; and communicating your ideas in clear and effective prose. As a course in supplement to thesis semester, it will parallel your literature review and thesis writing.

Thursday

14.30-16.30

Prerequisite: Mandatory Block course for FD UG 10th Semester students. Two Thursdays 6hrs each in Mid February & Mid March

IR3608: Design Research Methods

Instructor/s: Rishav Jain

**Typology
Credits**

Courses
2

The course provides with an introduction to basic concepts of research in interior design. It enables the student to examine and apply a specific method in order to answer a research problem or inquiry. It aims to develop skills in critical thinking, developing research statements & detailed proposals, examining research methodologies and present findings in a variety of formats.

Wednesday

08.30-10.30

Prerequisite: Block course for FD UG Thesis students only - Two weeks Block - From 6th January 2019 onward Monday - 2.30 pm to 5.30 pm, Wednesday - 2.30 pm to 5.30 pm, Thursday - 2.30 pm to 5.30 pm, Friday - 8.30 am to 10.30 am.

IR3020: Thesis / DRP

Instructor/s: Amal Shah

**Typology
Credits**

Thesis
15

Individual research work on selected premise which is approved subject by thesis committee.

Saturday

14.30-17.30

Prerequisite: Students who have cleared all mandatory subjects from 9 semesters and are eligible for 10th semester from Faculty of Design are eligible to register for this course.

IR3597: Thesis / DRP

Instructor/s: Amal Shah, Rishav Jain, Jay Thakkar, Kireet Patel

**Typology
Credits**

Thesis
14

Individual research work on selected premise which is approved subject by thesis committee.

Saturday

14.30-17.30

Prerequisite: Students who have cleared Studio - VI from Faculty of Design are eligible to register for this course.

MANDATORY COURSES

INTERNATIONAL POSTGRADUATE PROGRAM IN INTERIOR ARCHITECTURAL DESIGN
SPRING SEMESTER 2019 - 2020

Semester 2

ID4606: Approaches to Design: Theory and Culture

Instructor/s: Kaiwan Mehta

This seminar is an introduction to understanding design through various theoretical and conceptual approaches, that have emerged over time and in different contexts. The course actually debates the idea as well as practice of design - which is field that works around specialized tasks but as an arena of ideas, processes, and practices is very varied. The seminar will begin by trying to understand the historical moments that are crucial to our understanding of the word and practice of 'design'. This will be furthered by introducing the range of concepts and issues through which design study, theory and criticism should be approached - object histories, value and aura, market and materiality, fashion and sustainability, heritage and nostalgia, Orientalism and symbolism, etc. A set of 8-10 key texts will be central to finally setting the tone for how we approach Design - object-value, social value, cultural environment, as well as contemporary contexts and atmospheres of action and engagement. The seminar will work with historical and theoretical narratives simultaneously such that a student is able to locate her/his practice and work as a designer within a context.

Prerequisite: Mandatory for MID 2nd semester students & IMIAD incoming exchange student.

Typology	Courses
Credits	2
Monday	16.30-18.30

ID4607: Interior textiles and furnishing

Instructor/s: Nehal Bhatt, Ujjval Shah

The course is oriented to understand the role of textiles in an interior environment. Textiles are integral to interior spaces. It is imperative to understand textiles as a material, its use in the spatial context and the spatial connotations that it can have. It can greatly affect the visual character of the space. This course will focus on introducing textiles as a material, i.e. the weave, print, colour, tactile quality, characteristics etc. to give a better understanding of its use. Also an understanding of the textile products used in interiors: such as screens, wall coverings/ cladding, ceiling canopy, lighting etc. Besides, there are many unconventional use of textiles explored by designers that will be part of the study. Alongside we will study its role in spatial environment to understand its impact. It can affect the way we perceive space by filtering light, adding colour, texture, pattern etc. An introduction to textile crafts of India will be woven into to the curriculum along with a lecture on the history of textiles in India. The study will be supported by a visit to the Calico Museum, a craft center and textile stores.

Prerequisite: Mandatory for MID 2nd semester students and IMIAD incoming Exchange students. Open as an elective for PG students

Typology	Courses
Credits	2
Thursday	14.30-16.30

IA4597: IMIAD Exchange Mandatory Courses

Instructor/s: Rishav Jain

Block course for outgoing IMIAD registration students

Prerequisite: For 1st year II sem IMIAD students only

Typology	Studio
Credits	18
Saturday	08.00-19.30

Semester 4

ID4000: Craft+Future=?

Instructor/s: Rishav Jain

The studio dwells into discussing the positions of craft in contemporary interior architecture practices. With a combination of research and design methods, the studio focuses on envisaging future directions of craft productions. The studio will be largely divided into two parts: the first part uses intensive research techniques to establish a theoretical position of craft and the second part intends to test the position through a design problem. The studio involves rigorous reading sessions, theoretical analysis, field studies, hands-on explorations with craft techniques along with design discussions.

Prerequisite: Only for MID 2nd & 4th semester students and IMIAD 4th semester and incoming Exchange students.

Typology	Studio
Credits	14
Monday	09.30-13.30
Wednesday	10.30-13.30
Thursday	09.30-13.30
Friday	09.30-13.30

ID4005: 360 -From Concept to Creation

Instructor/s: Chirag Doshi

As the name of the Studio suggests, 360°-From Concept to Creation, this Studio will offer Students an opportunity to deal with the entire process between conception of a Schematic Program right till the stage before Site execution. Students are at Post-graduation level, so they would have gone through a series of Design Studios of various scale & types, hence this Studio will provide an opportunity for them to take their concepts & designs up to the state of execution. From the start, the Students will be given a Design Problem where they'll be expected to handle a Project which will be designed for a Client with a budget. Students will go through a 360° process of conceptual designs, Design development, Estimation, Construction drawings, Material selection, BOQ, Project Timeline & pre-execution standards. To demonstrate this Problem, Students will be given an actual Site of around 1000 sft. where they will be given a Program brief of designing an Eating Space. Students will be given a small scale Site to handle, so that they are not lost in scale but can concentrate on detailing & execution aspects. The reason to not Categorize the Project in Restaurants/Cafe's is because the Students can explore unique culinary experiences like darkroom/blindfolded eateries, Store eateries etc

Prerequisite: Only for MID 2nd & 4th semester students and IMIAD 4th semester students.

Typology	Studio
Credits	14
Monday	10.30-13.30
Monday	14.30-16.30
Thursday	09.30-13.30
Friday	10.30-13.30
Friday	14.30-17.30

ID4006: Creating Theme Pavilions for Expositions (EXPO)

Instructor/s: Shailesh Manke, Moksh Thapar

Typology

Studio

Credits

14

Exposition/Expo -An amalgamation of people to create a miniature world, a showcase of progress and dialogue. A Theme pavilion or a theme in an expo acts as a binding thread, a backdrop around which all the activities and elements revolve in a physical or virtual manner. The studio will help in creating thematic environments through various design processes and principles. The thematic elements would be in form of graphical and sculptural installations which would become the space making elements for the desired thematic environment. The thematic elements would-Define the space. Make the space. Transform the space. Design problems will be defined based on a specific theme, approach (along with its rationale)or a theoretical position. The final outcome would be in the form of visualization drawing, analytical drawing, construction drawing, essay, physical model, 3d model or film. Completion of this studio will bring out complete shift of “approach to design” in students. The learning outcomes would revolve around conceptually derived theme and manifestation of it in the interior spaces.

Monday

10.30-13.30

Wednesday

10.30-13.30

Friday

10.30-13.30

Prerequisite: Only for MID 2nd and 4th semester students and IMIAD 4th semester students

ID4007: Synthetic Gestures: Addressing Urban Synergies, Core Retrofitting of Manekchowk Fruit Market

Instructor/s: Dilip Patel, Devanshi Doshi

The studio intends to create a place which can function in multiple ways and is versatile and interactive in nature. And one such site that offers all these possibilities and has been finalized upon is Manekchowk Fruit Market for our studio. Manekchowk fruit market showcases a very strong context in terms of its location, the Jama Masjid is situated in its immediate neighbourhood. The market is also in close proximity of night food market, Dhalgarwad, Mandvi ni Pol, Local utensil shop etc. In a nutshell, many traditional markets are situated in the same area. It is intended that students visit the site, come up with research and form a program brief that fits well with the context. As a part of final outcome, the students will conceptualize & plan the space and get down to a detailed stage where decisions regarding materials and micro level details take place.

Prerequisite: Only for MID 2nd & 4th semester students and IMIAD 4th semester students.

Typology	Studio
Credits	14
Monday	13.30-16.30
Wednesday	10.30-13.30
Friday	14.30-17.30

ID4008: Dropbox - within the Social Context

Instructor/s: Claire Reuter, Mili Parekh

• Dropbox is a container that is placed within community settlements to address their needs, stimulate the cultural and physiological identity of its inhabitants • It will program spaces of prescribed function that can be used within the urban fabric of that community • It will make an impact by re-adapting interior spaces of the dense neighborhood • It can make a place for the locals to socialize and boost their happiness quotient.

Prerequisite: Only for MID 2nd & 4th semester students and IMIAD 4th semester and incoming Exchange students.

Typology	Studio
Credits	14
Monday	09.30-12.30
Thursday	09.30-12.30
Friday	09.30-12.30

MANDATORY COURSES

POSTGRADUATE PROGRAM IN BUILDING PRODUCTS AND SYSTEMS
SPRING SEMESTER 2019 - 2020

Semester 2

BP4600: Designing with Empathy : Human Centered Design

Instructor/s: Seema Khanwalkar

Typology
Credits

Courses
2

This course will take the students through the principles of user-oriented design drawn from frameworks across design thinking and design ethnography. This is a practical, applied based course and involves exercises and hands-on thinking and designing. The course draws its working energy from frameworks such as Ideo.org and other contemporary designers who incorporate critical insights through ethnographic work.

Wednesday

14.30-16.30

Prerequisite: Mandatory course for MBPS & MFD I year II semester students.

FD4600: Material & Structure 2

Instructor/s: Sagar Modh

Typology
Credits

Courses
2

Understanding of the practical relationships between furniture design and the manufacturing industry is vital to a designer. Today furniture designers have a really broad range of material choices - from traditional and natural to man made and scientifically engineered. As a designer one has to be abreast with it properties, manufacturing processes and design possibilities for innovative solutions

Thursday

14.30-16.30

Prerequisite: For MFD & MBPS 1st year students + back log student

BP4003: Simple Products for Interiors of the Build Spaces

Instructor/s: Sagar Modh, Samir bhagvatlal Bhatt, Vrushank Vyas

Typology
Credits

Studio
14

To visualize, design and develop Simple Products for Interiors of the Build Spaces and to arrive at the need based products, which facilitate the user. • To design the Product form with advance technology, advance material explorations and it's applications in design. • Identifying the User, Users need, expectations and features of the product to develop the design. • This studio aims at design and developing Building Product for the interior Built spaces.

Monday	10.30-13.30
Wednesday	10.30-13.30
Thursday	10.30-13.30
Friday	10.30-13.30

The emphasis of the studio will be on the advance technology and based on the design process, visualization, ideation and making of the real scale prototype, technical drawing with required details. • The Interior spaces and functional requirements of the Built spaces and activities in it will become reference and starting point for the studio. • The product shall offer the choice to the users about different configurations, color schemes, finishes etc. With cost consideration. • Students will use Product design considerations i.e. Form making, Functional criteria, Usability, Ergonomic, systems, visual language, technical and functional innovations, etc. to fulfil the particular need. • This studio project will use the advance facilities of model making, prototype building and testing of the products..

Prerequisite: Only for MBPS 2nd semester students.

Semester 4

BP4004: System Development Methodology/ Migration

Instructor/s: Rudrapalsinh Solanki, Sadasivan Iyer

The prototype making process begins by defining the engineering/ manufacturing challenge, performance requirements, brainstorming potential solutions, and evaluating several alternatives. An engineering/ manufacturing team synthesizes this information to begin the product manufacturing process to help engineering/manufacturing teams to assess the “build ability” of the design concept, to create prototypes. By building a prototype, you should be able to determine if your chosen design solution is feasible and which aspects of your design needs special materials or further refinement. The term prototype is interchanged with the term “model,” which can cause confusion. While several types of prototypes exist, for the purpose of this activity, we will make the following distinction: A model is used to demonstrate or explain how a product will look or function, a prototype is used to work out the kinks in a design or to try new ideas. Keep in mind that prototypes are unrefined versions of a future product. The manufacturing process is a critical part of product design. Once a student has developed a design for a product, she/he often creates an engineering drawing to be used by a machinist or manufacturer to create the product.

Prerequisite: Only for MBPS 4th semester students

Typology	Studio
Credits	14
Monday	09.30-13.30
Wednesday	10.30-13.30
Thursday	09.30-13.30
Friday	09.30-13.30

MANDATORY COURSES

POSTGRADUATE PROGRAM IN FURNITURE DESIGN

SPRING SEMESTER 2019 - 2020

Semester 2

FD4600: Material & Structure 2

Instructor/s: Sagar Modh

**Typology
Credits**

**Courses
2**

Understanding of the practical relationships between furniture design and the manufacturing industry is vital to a designer. Today furniture designers have a really broad range of material choices - from traditional and natural to man made and scientifically engineered. As a designer one has to be abreast with its properties, manufacturing processes and design possibilities for innovative solutions

Thursday

14.30-16.30

Prerequisite: For MFD & MBPS 1st year students + back log student

BP4600: Designing with Empathy : Human Centered Design

Instructor/s: Seema Khanwalkar

**Typology
Credits**

**Courses
2**

This course will take the students through the principles of user-oriented design drawn from frameworks across design thinking and design ethnography. This is a practical, applied based course and involves exercises and hands-on thinking and designing. The course draws its working energy from frameworks such as Ideo.org and other contemporary designers who incorporate critical insights through ethnographic work.

Wednesday

14.30-16.30

Prerequisite: Mandatory course for MBPS & MFD I year II semester students.

FD4001: Small Great Things

Instructor/s: Rebecca Reubens

The homes of the present and future are outlined as becoming increasingly smaller and this calls for a new breed of multitasking furniture. This furniture has new functions, including supporting new technology and behaviours related to it, new connotations of 'family', and a new understanding of 'workplace' which seamlessly overlaps with a 'living space'. This studio will look at ways to study and design the furniture for contemporary interior spaces after studying precedents, user-behaviour and the spaces themselves

Prerequisite: Only for MFD 2nd Semester students.

Typology Credits	Studio
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Monday	10.30-13.30
Wednesday	10.30-13.30
Thursday	10.30-13.30
Friday	10.30-13.30

FD4006: Furniture for Interior Spaces

Instructor/s: Anand Belhe & Kaulav Bhagat

In urban areas, living spaces have become very high commodities in current scenario. Ongoing population growth and escalating market prices are forcing occupants to move into smaller spaces in big cities. Compact housing development is becoming the only affordable solution for masses. Though, the basic human needs are still the same. Users want comfort and convenience when they occupy them. Users need clutter free spaces, privacy, easy to maintain spaces and the feeling of spaciousness. Furniture occupies more than half of the floor space and thus plays a pivotal role in organizing the space. It has the potential to bring harmony into compact spaces through smart and space saving solutions and hence role of a furniture designer is very crucial. This studio aims at solving need for storage elements for small spaces by the design process and understanding of mass production of furniture design. The emphasis of the studio will be at level of understanding of furniture elements with relation to interior spaces. The interior spaces and activities in it will become reference and starting point for the studio. Students will use furniture design tools i.e. elements, systems, visual language, technical and functional innovations etc. to solve the particular need.

Prerequisite: Only for MFD 2nd semester students.

Typology Credits	Studio
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Monday	10.30-13.30
Monday	14.30-16.30
Wednesday	10.30-13.30
Friday	09.30-13.30
Friday	14.30-17.30

Semester 4

FD4005: Government-Governance-System

Instructor/s: Kaulav Bhagat, Anand Belhe

Typology	Studio
Credits	14
Monday	10.30-13.30
Monday	14.30-16.30
Wednesday	10.30-13.30
Thursday	10.30-13.30
Friday	10.30-13.30

Government is aggressively pursuing reform through new policies and initiatives, from macro to micro. All government bodies such as national government to gram panchayat play an important role for better and maximum governance. The reform starts from within- outward, to give maximum benefit of government policies, schemes and initiatives. One of it being an attempt to provide comfortable environment for its employee in various sectors. Buildings, interior spaces and furniture immediately affect and inspire to work efficiently. This studio has two main focuses; one of internal government operations and second being government initiatives that affect common people who use government facilities i.e. public amenities. Some of the government policies indirectly affect the life of common people. This also provides opportunity for designers to create better design solutions to meet the requirements of people and promote the vision of government for a better future. This studio focuses on improvisation of work spaces of government bodies by providing better furniture systems. All different types of government boards, offices and secretariat need different systems based on its working methods and requirements.

Prerequisite: Only for MFD 4th Semester Students

MANDATORY COURSES

POSTGRADUATE PROGRAM IN INTERIOR DESIGN

SPRING SEMESTER 2019 - 2020

Semester 2

ID4606: Approaches to Design: Theory and Culture

Instructor/s: Kaiwan Mehta

Typology
Credits

Courses

2

This seminar is an introduction to understanding design through various theoretical and conceptual approaches, that have emerged over time and in different contexts. The course actually debates the idea as well as practice of design - which is field that works around specialized tasks but as an arena of ideas, processes, and practices is very varied. The seminar will begin by trying to understand the historical moments that are crucial to our understanding of the word and practice of 'design'. This will be furthered by introducing the range of concepts and issues through which design study, theory and criticism should be approached - object histories, value and aura, market and materiality, fashion and sustainability, heritage and nostalgia, Orientalism and symbolism, etc. A set of 8-10 key texts will be central to finally setting the tone for how we approach Design - object-value, social value, cultural environment, as well as contemporary contexts and atmospheres of action and engagement. The seminar will work with historical and theoretical narratives simultaneously such that a student is able to locate her/his practice and work as a designer within a context.

Monday

16.30-18.30

Prerequisite: Mandatory for MID 2nd semester students & IMIAD incoming exchange student.

ID4607: Interior textiles and furnishing

Instructor/s: Nehal Bhatt, Ujjval Shah

**Typology
Credits**

Courses
2

The course is oriented to understand the role of textiles in an interior environment. Textiles are integral to interior spaces. It is imperative to understand textiles as a material, its use in the spatial context and the spatial connotations that it can have. It can greatly affect the visual character of the space. This course will focus on introducing textiles as a material, i.e. the weave, print, colour, tactile quality, characteristics etc. to give a better understanding of its use. Also an understanding of the textile products used in interiors: such as screens, wall coverings/ cladding, ceiling canopy, lighting etc. Besides, there are many unconventional use of textiles explored by designers that will be part of the study. Alongside we will study its role in spatial environment to understand its impact. It can affect the way we perceive space by filtering light, adding colour, texture, pattern etc. An introduction to textile crafts of India will be woven into to the curriculum along with a lecture on the history of textiles in India. The study will be supported by a visit to the Calico Museum, a craft center and textile stores.

Thursday

14.30-16.30

Prerequisite: Mandatory for MID 2nd semester students and IMIAD incoming Exchange students. Open as an elective for PG students

ID4000: Craft+Future=?

Instructor/s: Rishav Jain

**Typology
Credits**

Studio
14

The studio dwells into discussing the positions of craft in contemporary interior architecture practices. With a combination of research and design methods, the studio focuses on envisaging future directions of craft productions. The studio will be largely divided into two parts: the first part uses intensive research techniques to establish a theoretical position of craft and the second part intends to test the position through a design problem. The studio involves rigorous reading sessions, theoretical analysis, field studies, hands-on explorations with craft techniques along with design discussions.

Monday

09.30-13.30

Wednesday

10.30-13.30

Thursday

09.30-13.30

Friday

09.30-13.30

Prerequisite: Only for MID 2nd & 4th semester students and IMIAD 4th semester and incoming Exchange students.

ID4005: 360 -From Concept to Creation

Instructor/s: Chirag Doshi

Typology
Credits

Studio
14

As the name of the Studio suggests, 360°-From Concept to Creation, this Studio will offer Students an opportunity to deal with the entire process between conception of a Schematic Program right till the stage before Site execution. Students are at Post-graduation level, so they would have gone through a series of Design Studios of various scale & types, hence this Studio will provide an opportunity for them to take their concepts & designs up to the state of execution. From the start, the Students will be given a Design Problem where they'll be expected to handle a Project which will be designed for a Client with a budget. Students will go through a 360° process of conceptual designs, Design development, Estimation, Construction drawings, Material selection, BOQ, Project Timeline & pre-execution standards. To demonstrate this Problem, Students will be given an actual Site of around 1000 sft. where they will be given a Program brief of designing an Eating Space. Students will be given a small scale Site to handle, so that they are not lost in scale but can concentrate on detailing & execution aspects. The reason to not Categorize the Project in Restaurants/Cafe's is because the Students can explore unique culinary experiences like darkroom/blindfolded eateries, Store eateries etc

Monday	10.30-13.30
Monday	14.30-16.30
Thursday	09.30-13.30
Friday	10.30-13.30
Friday	14.30-17.30

Prerequisite: Only for MID 2nd & 4th semester students and IMIAD 4th semester students.

ID4007: Synthetic Gestures: Addressing Urban Synergies, Core Retrofitting of Manekchowk Fruit Market

Instructor/s: Dilip Patel, Devanshi Doshi

The studio intends to create a place which can function in multiple ways and is versatile and interactive in nature. And one such site that offers all these possibilities and has been finalized upon is Manekchowk Fruit Market for our studio. Manekchowk fruit market showcases a very strong context in terms of its location, the Jama Masjid is situated in its immediate neighbourhood. The market is also in close proximity of night food market, Dhalgarwad, Mandvi ni Pol, Local utensil shop etc. In a nutshell, many traditional markets are situated in the same area. It is intended that students visit the site, come up with research and form a program brief that fits well with the context. As a part of final outcome, the students will conceptualize & plan the space and get down to a detailed stage where decisions regarding materials and micro level details take place.

Prerequisite: Only for MID 2nd & 4th semester students and IMIAD 4th semester students.

Typology Credits	Studio
	14
Monday	13.30-16.30
Wednesday	10.30-13.30
Friday	14.30-17.30

ID4008: Dropbox - within the Social Context

Instructor/s: Claire Reuter, Mili Parekh

Dropbox is a container that is placed within community settlements to address their needs, stimulate the cultural and physiological identity of its inhabitants • It will program spaces of prescribed function that can be used within the urban fabric of that community • It will make an impact by re-adapting interior spaces of the dense neighborhood • It can make a place for the locals to socialize and boost their happiness quotient.

Prerequisite: Only for MID 2nd & 4th semester students and IMIAD 4th semester and incoming Exchange students.

Typology Credits	Studio
	14
Monday	09.30-12.30
Thursday	09.30-12.30
Friday	09.30-12.30

Semester 4

ID4006: Creating Theme Pavilions for Expositions (EXPO)

Instructor/s: Shailesh Manke, Moksh Thapar

Typology	Studio
Credits	14
Monday	10.30-13.30
Wednesday	10.30-13.30
Friday	10.30-13.30

Exposition/Expo -An amalgamation of people to create a miniature world, a showcase of progress and dialogue. A Theme pavilion or a theme in an expo acts as a binding thread, a backdrop around which all the activities and elements revolve in a physical or virtual manner. The studio will help in creating thematic environments through various design processes and principles. The thematic elements would be in form of graphical and sculptural installations which would become the space making elements for the desired thematic environment. The thematic elements would-Define the space. Make the space. Transform the space. Design problems will be defined based on a specific theme, approach (along with its rationale) or a theoretical position. The final outcome would be in the form of visualization drawing, analytical drawing, construction drawing, essay, physical model, 3d model or film. Completion of this studio will bring out complete shift of "approach to design" in students. The learning outcomes would revolve around conceptually derived theme and manifestation of it in the interior spaces.

Prerequisite: Only for MID 2nd and 4th semester students and IMIAD 4th semester students

ELECTIVE COURSES

FACULTY OF DESIGN

SPRING SEMESTER 2019 - 2020

IR2700: Analysing Spaces

Instructor/s: Amal Shah

**Typology
Credits**

**Courses
2**

The course is aimed at exploring ways of analyzing a built environment either through primary or secondary sources. The analysis can be done in many diverse methods with wide-ranging parameters. eg: Geometry and structure, Materials and construction, Detailing and technology, Space planning, Experiences, qualities of space, spatial organizational principles, the theory of proxemics and human behavior, application of art and crafts, Climate response, space making elements and their roles, design principles etc. The idea here is to develop an understanding that which set of factors/parameters is to be studied when and why. How does a set of these factors come together to create a space? The course will look at one historical example and one contemporary example with the idea of drawing some kind of parallels between them.

Tuesday

14.30-16.30

Prerequisite: Any student in Level 2, Level 3, or Level 4 at FD or FA

IR2702: Digital Technology

Instructor/s: Sanket Patel

**Typology
Credits**

**Courses
2**

These days one cannot imagine an Interior Designer's or an Architect's office without computers. Computers is no longer just an incidental tool but has become an essential tool that a designer is expected to learn to control and master. This course is an essential medium through which an Interior Design student will learn how to best use software tools for not just drawing but as means to visualize and design in either 2D or 3D. The course will focus primarily on skill and ability building for young students. This course is the first step among many to learn how to control and properly exploit a powerful tool such as a

Tuesday

12.30-14.30

Prerequisite: UG 2nd year onwards

IR2707: Walking Conversations - Traversing Ahmedabad

Instructor/s: Supriya Gautam pal

Typology
Credits

Courses
2

Tuesday

10.30-12.30

Thinking, talking, and walking are inextricably linked through history. It is only a recent idea that we meet around tables, seated in chairs. Walking conversations intend to explore Ahmedabad city beyond the conventional classroom and bring together oral history, storytelling and archival practices with critical thinking. Students will be introduced to recent shift in thinking about history that have moved in the direction of context, perspective, interpretation, dialogue, and meaning through methods that engage with the human subject and community. From its Ahmed Shah beginnings to Ellis Bridge, Gandhi's Ashram to Art Deco theatre, city of Ahmedabad has witnessed growth, decline and renaissance throughout its long history. Besides being the cradle to contemporary art, architecture, design and cultural embark, the city has been benign to flourish within new ideas, themes and experiments. Walk around the city and discover who and what has left their mark on the city.

Prerequisite: 3rd year & above. For this course the students need to reach on 10.00 am. so students who are preferring this course, ensure have not take the morning course (8.30 to 10.30).

IR2708: Visual Confessions of the Creative Mind - A graphic approach to problem solving

Instructor/s: Anand Viswanathan

Typology
Credits

Courses
2

Constraints force us to think. Our imagination is unleashed by constraints. When you have less to work with, you actually begin to see the world differently. Think about your constraints for a moment not as barriers to your ability to create, launch or build something new, but instead as a puzzle that holds the opportunity for original work. There is a crucial balance that must be maintained concerning the communication value of a given problem, as well as satisfying one's personal aesthetic. 12 stimulating and challenging hands-on exercises with certain constraints, addressing basic design principles such as rhythm, pattern, color, shape, typo, contrast, negative-positive relationships etc., guaranteed to jog the left side of your brain. There are no right or wrong answers but multiple solutions that test the limits of perception and comprehension. This set of exercises not only teaches basic design fundamentals but also encourages personal creative processes and self-reliance. Most of these exercises have multiple solutions to a single problem, a condition that breaks down limitations and reinforces the need to explore. Also the fact that there are multiple and diverse problems to be solved maximize student's success. They are perfect metaphors for what lies ahead in the real world.

Tuesday

10.30-12.30

Prerequisite: Students should be able to express themselves through graphics. Students should be willing to take risks and plunge into the unknown world with constraints.

IR2711: Interior Lighting Design

Instructor/s: Dexter Pereira

**Typology
Credits**

Courses

2

This course will focus on the design of internal spaces with the context of daylight and artificial light, within multiple interior space types. The learning will be through case studies, site learning, design solutions, where, creativity in design & integration rather than technical calculation and modeling will be of importance. The course will incorporate daylight as well as artificial lighting, the role and importance of these within interior spaces, factors affecting these with response to activity, space, direction, use and need as well as incorporating this within design of interior spaces. The course will incorporate case studies, discussions and problem solving. The course will also investigate and define the need and methodology of integrating lighting within the design of spaces that the student is familiar with. The student will be required to do design projects to illustrate the understanding of the concepts learned. There will be three design projects, two for single space interiors having diverse functions & one for a multiple space interior. Grading will be based on the solutions of these projects and other assignments, as well as class participation.

Tuesday

17.30-19.30

Prerequisite: UG 2nd year onwards

IR2712: Parametric Design & Digital Fabrication

Instructor/s: Jinal Shah

**Typology
Credits**

Courses

2

The course intends to explore the potential of parametric design in the field of architecture and interiors using grasshopper as tool for designing. It also intends to understand the different methods of digital fabrication like laser cutting, 3D printing & CNC cutting to achieve the desired form.

Tuesday

14.30-16.30

Prerequisite: For all UG Students from 2nd - 5th Year - Students should have basic knowledge of 3d Modelling software - Rhino

IR2713: Colour in Interior Design

Instructor/s: Ranna Parikh

**Typology
Credits**

Courses
2

Color is the reason we value details in a design. A sunset can be spectacular, a city centre can be depressing or painting can either be beautiful or awful. Picking the right colors and placing them well is a skill every designer should perceive. The course covers Color Theory with Additive and Subtractive methodology and develop sensitivity through hue, value, intensity, proportion to enhance any composition. The main focus is hands on experience through various practical situations/problems to decide the right color scheme and explore the endless possibilities.

Tuesday

10.30-12.30

Prerequisite: Open for all

IR3700: BID-Exchange Elective

Instructor/s: Naandi Parikh

**Typology
Credits**

Courses
6

Exchange

Prerequisite: only for BID out going exchange students

Tuesday

08.00-10.00

IA4998: IMIAD Exchange Elective Course

Instructor/s: Rishav Jain

**Typology
Credits**

Courses
2

Block course for outgoing IMIAD registration students

Prerequisite: For I year 2nd Semester IMIAD students only

Tuesday

08.30-10.30

FD4700: Analysing & Manipulating Form

Instructor/s: Kaulav Bhagat

**Typology
Credits**

Courses
2

Conceiving of the Form and its articulation requires a skilled hand, experienced eye and a creative and analytical mind. A professional needs to master all the three for an efficient and effective practice. In this elective we will explore some of the key processes that exploit and explore them in the finding and the articulation of forms.

Tuesday

14.30-16.30

Prerequisite: Only for MFD 1st year - 2nd semester & B.Des 4th Semester students .

ID4701: Meaning and Design

Instructor/s: Seema Khanwalkar

**Typology
Credits**

Courses
2

This course aims to locate meaning in design thinking through the lens of Product Semantics motto that design is 'making sense of things'. The course will also explore how design makes sense and whose sense is it, making it a user-centered exploration into meaning and design. The course will combine inputs from semantic theories and exercises and the final output will be a design prototype.

Tuesday

08.30-10.30

Prerequisite: This course is meant for students with an interest in the designing process and conceptual thinking. Since it involves exercises and analytical thinking, student with a bent of mind towards the above are encouraged to apply. The course will require studen

MANDATORY COURSES

DOCTORAL PROGRAM

SPRING SEMESTER 2019 - 2020

Semester 1

DD5020: Independent Study- 1

Instructor/s: Anil Kumar Roy

Typology
Credits

Courses
4

Independent study (IS) is one of the many formats of coursework offered at the CEPT University. It is a method of individual specific learning for a formal credit with a designated faculty member for the doctoral students. The IS provides a way for the doctoral students to pursue a topic that does not necessarily fit into a typical academic curriculum and help them to work towards the development of their research interests leading to their PhD dissertation. The independent study course is an opportunity for the students to learn to create an annotated bibliography, perform critical literature review, do a comparative case-studies or develop detailed understanding of methodology, theory, cases, etc. The course also provides an opportunity for the students to engage and collaborate with a learned scholar and develop their research skills in an area of their mutual interests. The IS would also help student understand and assume the responsibility of an independent research project while managing the expectations of the guide. This will be an important training to finally develop and manage the PhD dissertation.

Saturday

08.30-10.30

Prerequisite: FA and FP MPhil/PhD students

Semester 2

DD5103: Argumentation in Academic Texts

Instructor/s: Sonal mithal Modi, Biswaroop Das

Typology
Credits

Courses
3

Thursday

16.30-18.30

The goal of this course is to provide students with instruction and opportunities to practice reading, analyzing, and evaluating the arguments of others; as well as to formulate strategies for developing arguments of their own. This is done using a set of specifically curated published academic texts. The course focuses on strategies for identifying issues, assessing claims and reasons, locating and evaluating supporting evidence, and writing essays that represent clear and convincing arguments. Eventually students will apply the concepts and rhetorical strategies studied in this course to their own area of academic interest. The readings selected for the course vary from having dominantly narrative-based logical arguments to those having dominantly evidence-based or “data” centric arguments. Through these readings the discussions will highlight how an ideological positioning tends to privilege certain methodological routes as against others, for example—a radical versus liberal, or diagnostic versus programmatic, and so on. The course will comprise of descriptive, critical and argumentative essays in form of assignments.

Prerequisite: MPhil/PhD (FA & FP) students in second semester. Open as elective for PG students keen on developing their reading, writing and analytical skills

DD5204: Research Colloquium

Instructor/s: Coordinator

Typology
Credits

Courses

1

Research colloquium is a weekly platform to foster scholarly interaction among doctoral students and faculty members at the CEPT University. It is jointly organized by the doctoral programs in Faculty of Architecture and Faculty of Planning. The research colloquium will have formal presentations on the ongoing research work (or recently completed research) by a faculty member, doctoral students in advanced standing and external experts or visiting professors at the University. Each session will observe a discussion on various aspects of research questions, research design, challenges and obstacles faced during the research work, etc. The focus will be on the research process as much as the final outcome. The students will immensely benefit from learning about a senior researcher's academic and doctoral research journey. This will give them an insight on various aspects of research and enable them to develop their thought process towards their respective research project and draw their pathway. The students will also be required to submit a 600 words write-up after each session to help them reflect on the takings from a session.

Friday

16.30-18.30

Prerequisite: Only for MPhil/PhD students in semester 2- both FA & FP.

DD5302: Independent Study- 2

Instructor/s: Rutul Joshi, Sejal Patel, Anil Kumar Roy, Abhijit Lokre, Yash Shukla

**Typology
Credits**

**Courses
6**

Independent study (IS) is one of the many formats of coursework offered at the CEPT University. It is a method of individual specific learning for a formal credit with a designated faculty member for the doctoral students. The IS provides a way for the doctoral students to pursue a topic that does not necessarily fit into a typical academic curriculum and help them to work towards the development of their research interests leading to their PhD dissertation. The independent study course is an opportunity for the students to learn to create an annotated bibliography, perform critical literature review, do a comparative case-studies or develop detailed understanding of methodology, theory, cases, etc. The course also provides an opportunity for the students to engage and collaborate with a learned scholar and develop their research skills in an area of their mutual interests. The IS would also help student understand and assume the responsibility of an independent research project while managing the expectations of the guide. This will be an important training to finally develop and manage the PhD dissertation.

Saturday

08.30-10.30

Prerequisite: FA and FP MPhil/PhD students in semester 2

DD5305: Independent Study- B

Instructor/s: VF

Typology
Credits

Courses
2

Independent study (IS) is a method of individual specific learning for a formal credit with a designated faculty member for the doctoral students (also in bridge course). The IS provides a way for the doctoral students to pursue a topic that does not necessarily fit into a typical academic curriculum and help them to work toward the development of their research interests leading to their PhD dissertation. The independent study course is an opportunity for the students to learn to create an annotated bibliography, perform critical literature review, do a comparative case-studies or develop detailed understanding of methodology, theory, cases, etc. The IS could be designed to focus on incorporating some elements of primary data collection in the research design along with the critical review of relevant literature. The course also provides a platform for the students to engage and collaborate with a learned scholar and develop their research skills in an area of their mutual interests. The IS would also help student understand and assume the responsibility of an independent research project while managing the expectations of the guide.

Saturday

08.30-09.30

Prerequisite: FA and FP MPhil/PhD students in bridge course

Semester 4

DD5206: Research Colloquium & Workshops

Instructor/s: Coordinator

Typology
Credits

Courses
3

PhD colloquium is a weekly platform to foster scholarly interaction among doctoral students and faculty members/visiting scholars at CEPT. The research colloquium will have formal presentations on the ongoing research work (or recently completed research) by a faculty member, doctoral students in advanced standing and external experts or visiting professors at the University. Each session will observe a discussion on various aspects of research questions, research design, challenges and obstacles faced during the research work, etc. The focus will be on the research process as much as the final outcome. The students will immensely benefit from learning about a senior researcher's academic and doctoral research journey. This will give them an insight on various aspects of research and enable them to develop their thought process towards their respective research project and draw their pathway. Additionally, Research Workshops pertaining to advanced research practices such as writing (news and domain journals, as well as books) and publishing, referencing and inter-disciplinary research methodologies will be conducted during the semester. 2-3 such workshops will be conducted during this semester and students are expected to attend and fulfill the requirements of each such workshop.

Friday

16.30-18.30

Prerequisite: Semester 4 MPhil/PhD students in FA and FP

DD5402: MPhil Dissertation

Instructor/s: Rutul Joshi

Typology
Credits

Thesis
30

The objective of the research dissertation is to give the scholars first-hand experience towards developing and operationalising an independent research project. This will enable them to carry out high quality research and make original contribution to their area of inquiry. More specifically, they will be able to formulate relevant research questions, develop a methodology to answer these questions, and fulfill the stated objectives. In the process, they will enhance their writing skills required to publish in leading international journals; and be able to relate their research and its results to the wider social context. The MPhil dissertation will also be a catalyst for developing the research towards a PhD. During this research process the students will undergo at least one graded interim/progress review. The objective is to evaluate the progress on work done on inferences from literature review, data collection, methodological deliberations, preliminary findings and basic chapterisation/structure of the dissertation. On successfully clearing the interim review they will submit the draft dissertation report for external examination within the stipulated time period as advised by the Doctoral Office.

Saturday

14.30-16.30

Prerequisite: Only for 4th semester students in MPhil program (FP & FA).

MANDATORY COURSES

POSTGRADUATE PROGRAM IN URBAN MANAGEMENT

SPRING SEMESTER 2019 - 2020

Semester 2

UM4600: Contract Management

Instructor/s: Nimit Karia

Typology
Credits

Courses
2

The prime emphasis of this course is management and administration of contracts, including the complete process of contract formation to closure as well as the requisite skills required by the contracts manager for negotiating and administering the contract. The students learn from the various case studies and practical examples, as well as peer to peer learning from specific assignments done and presented in smaller groups towards the end of the course.

Thursday

08.30-10.30

Prerequisite: Mandatory Course for MUM students and open as elective for UG 3rd year and above and all PG students.

UM4601: Insights to e-Governance

Instructor/s: Gayatri Doctor

Typology
Credits

Courses
2

e-Governance which is in essence, the application of information and communications technology to government functioning in order to create simple, measurable, accurate, relevant and transparent (SMART) governance. The course provides an overview of the National e-Governance Plan (NeGP), various e-governance initiatives (G2C, G2B,G2G) in the different states of India like Andhra Pradesh, Kerala, Gujarat and m-governance initiatives. Basic concepts of Management Information Systems, Maturity Model of e-governance, e-governance awards,rankings and emerging technologies etc would be explored. Global Good Practices of usage of Information and Communication Technology in Urban Services will be discussed.

Thursday

16.30-18.30

Prerequisite: Mandatory Course for MUM students and open as elective for UG 3rd year and above and all PG students.

UM4000: Urban Governance and Management Studio

Instructor/s: Gayatri Doctor, Paresh Vyas

Typology
Credits Studio
14

The studio will give an understanding of the management of urban services and their delivery. The scale of exploration will be a municipal ward of a city. Students will develop a management plan for efficient delivery of services. In the process, they will learn about the technical, financial, social, and other processes involved in managing urban areas.

Monday	10.30-13.30
Wednesday	10.30-13.30
Wednesday	14.30-16.30
Friday	10.30-13.30
Friday	14.30-17.30

Prerequisite: Only for MUM students.

Semester 4

UM4050: Thesis/DRP/Capstone Project

Instructor/s: Gayatri Doctor

Typology
Credits Thesis
14

A student in the fourth semester will have to go through a capstone project which is either research based thesis or a project guided and mentored by a faculty. The students can undertake the work in any of the disciplines of urban management.

Monday	14.30-17.30
Wednesday	10.30-13.30
Wednesday	14.30-17.30
Thursday	10.30-13.30
Friday	14.30-17.30

Prerequisite: Cleared all three MUM studios

3032: Thesis/DRP/Capstone Project

Instructor/s: Gayatri Doctor

Typology
Credits Thesis
15

A student in the fourth semester will have to go through a capstone project which is either research based thesis or a project guided and mentored by a faculty. The students can undertake the work in any of the disciplines of urban management.

Friday	10.30-13.30
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Prerequisite: Cleared all three MUM studios.

ELECTIVE COURSES

FACULTY OF MANAGEMENT

SPRING SEMESTER 2019 - 2020

UM4700: Business Models for Urban Services

Instructor/s: Mercy Samuel

Typology
Credits

Courses
2

A number of innovative business models are emerging these days leading to an entire new industry coming up. The old models are getting challenged every day with newer and fresh thoughts and ideas coming from Millennials and Gen Y. Reinvent is the buzzword going around and challenging the existing protocols of survival and competition. This course is all about creating VALUE for all stakeholders involved with disruptive thinking which can create systems for managing urban services much simpler and in an orderly manner.

Tuesday

16.30-18.30

Prerequisite: Open for UG 3rd Year onwards and all PG students

UM4709: Accounting and Financial Management Basics

Instructor/s: Rajnikant Trivedi

Typology
Credits

Courses
2

This lecture course explores the fundamentals of accounting, accounting methodology and procedure, presentation, interpretation and analysis of financial statements, and the process and concept of auditing. Using this as a base, the course surveys key issues in urban finance, introducing students to a framework for urban financial analysis. Topics include the mobilization of resources required to finance the provision of urban services, the development and maintenance of urban infrastructure, the range of local sources of revenue and means of increasing it, and the improvement of tax administration efficiency. The course is delivered through lecture and case studies, with examination based evaluation.

Tuesday

16.30-18.30

Prerequisite: None

MANDATORY COURSES

UNDER GRADUATE PROGRAM IN URBAN DESIGN
SPRING SEMESTER 2019 - 2020

Semester 4

UR2608: Climate & Design of the Built Environment

Instructor/s: Melissa Smith, Mansi Shah

Typology
Credits

Courses
2

This course introduces climate as a force that shapes the formation of the built environment. Students deal with basic concepts of climate science, analyse elements of weather in the natural environment, and explore how people respond to these in different settings, at the scale of the building, neighbourhood and city.

Wednesday

16.30-18.30

Prerequisite: Mandatory for Bachelor of Urban Design 2nd year students

UR2609: Construction and Structure I

Instructor/s: Mragendra Chaturvedi

Typology
Credits

Courses
2

Fundamentals of Construction and Structure-I is an introductory course, with an intention that designers are able to make appropriate decisions in absence of civil engineer and/or structural engineer. The course therefore would emphasize on integrated and systematic understanding of structures, building & street elements and construction materials.

Wednesday

14.30-16.30

Prerequisite: Its a mandatory course for 2nd year BUD program.

Semester 4 & 6

UR2001: Generative Techniques for Urban Place Making

Instructor/s: Radhika Amin, Arpi Maheshwari

Urban population explosion, both due to rural-urban migration and growth, will demand 3000 new cities in the next 20-30 years. A major concern for these will be their ability to incorporate high density without compromising the spatial quality; and cope with global climatic and ecological changes. The studio investigates designing in high density neighbourhoods. What are the challenges of accommodating large number of people within cities? How do we combat increasing FAR and also address the demands of climate, access to open space, building use mix. Can such neighbourhoods address walkability to basic amenities? Such a design process involves establishing relationships between built and open as well as working with per capita ratios and capacities. It demands embedding analysis within the design process as well as testing multiple design iterations. In order to address this complexity the studio uses computational power to establish simple rules of relationships and gradually build in the complexities within the computational model. Students code to develop evolutionary algorithms in order to use its generative capacity to define simple inter-relationships and design strategies; and check multiple permutations in order to search for a fit design solution.

Prerequisite: Foundation studios passed students.

Typology Credits	Studio
	14
Monday	09.30-13.30
Monday	14.30-16.30
Wednesday	09.30-12.30
Thursday	09.30-12.30

UR2005: From Utopias to Heterotopias Migrant Housing: Values of Time, Density, Culture, and Energy

Instructor/s: Imran Mansuri, Suraj Vasant kathe

**Typology
Credits**

**Studio
14**

The course introduces the concepts of `housing-for-mass' across space and time. The evolution of housing settlements through linking and stacking; their processes, determinants/generations, and resulting patterns are to be explored in their respective contexts exploring the balance between order and complexity. The idea, here, is to create an adaptive habitat for migrant communities associated with the very dynamic and socially interactive live-work environment. Here, "adaptability" is visualized and represented as a real space which is accommodating people from diverse cultures and traditions over a period of time. The spaces, thus created, should have their own characteristics; the occupants should have the opportunities to alter these spaces in certain extended patterns. Eventually, this fluctuating habitat, over time, should be able to maintain a balance between generated orders and identified contextual complexities. The students have to learn to analyze and identify issues with the linking and stacking of modular housing units. This helps them in planning and organizing various ensembles in response to the open spaces and adjacent urban context. The students should be able to explore housing clusters & ensembles by balancing the underlying orders and complexities.

Monday
Thursday

10.00-17.00
10.00-17.00

Prerequisite: None

UR2008: Designing Water Infrastructure for Civic Expression

Instructor/s: Dhara Mittal, Nishant Mittal

Typology
Credits

Studio
14

“Designing Water Infrastructure for Civic Expression” will investigate the many natures and scales of water, and develop an approach to documentation, representation and design techniques to render visible a new collective imagination around water in the city of Ahmedabad and its hinterlands (the built and natural watershed). Through the studio the students will investigate multiple typologies of built and natural infrastructures that enable/ disable our engagement with water. Building progressively they will establish the relationship of the urban center to its fringes and hinterlands. Consequently, flipping the order from out back to the center, they will critique and question the banality of muted infrastructures. Finally strategically selecting a scale and typology to intervene with, the students will demonstrate the idea of using infrastructure as a medium of civic expression and more importantly public life. Through a series of seminars and workshops, class participants will work incrementally to establish multi-scalar relationships, from the scale of the building, to the city fringes and the territory;

Monday	09.00-12.00
Thursday	09.00-12.00
Friday	09.00-12.00

Prerequisite: Foundation studios passed students.

UR2013: Urban insert: Making of a shared space

Instructor/s: Mihir Bedekar

Indian cities are expanding at a rapid pace with large scale migration and unmitigated real estate growth. Distances between the residence and the workplace is ever increasing causing the commute to become an integral part of the day to day routine and also a major budgetary expense. This has led to an apparent need for Public Transport system which is cost effective and user friendly. Among the available options of modes of Transport, the bus is the most prevalent as it is economically feasible and uses the existing Primary road network in the city. But even for the Bus system to work efficiently there is a need for some physical infrastructure such as waiting areas, signage and other amenities. This physical infrastructure in most cases needs to get built in an existing urban fabric. Hence, these are urban objects that fulfill a certain function but can also facilitate and manipulate the daily activities of people living in the immediate neighborhood. The challenge here is to make a place that functions at both the unit level and the neighborhood level through a back and forth design process.

Prerequisite: Completion of the Foundation Program as it is a L2 studio

Typology	Studio
Credits	14
Monday	09.30-13.30
Monday	14.30-17.30
Thursday	09.30-13.30
Thursday	14.30-18.30

UR2014: Light Infrastructures

Instructor/s: Kruti d Shah

Typology
Credits

Studio
14

Departing from the increasing contemporary necessity to address issues of urban marginality, structural violence and community disfranchisement, we invite the students to explore the possibilities that urban designers -and researchers- possess to generate positive changes in contexts of scarcity. We situate the studio as a glimpse into recent practices that have dealt with such topics, while investigating the different sets of complexities that informal contexts contract in a close interaction with the people that comprise them. From that, the studio will be set as a space of experimentation not only with processes of collaborative design, but mainly with the contingencies of construction and implementation of urban inserts. More specifically, small-scaled urban devices that work in an informal settlement at the outskirts of Ahmedabad. Therefore, given that the object of design will be a transportable architectural object that can accommodate diverse productive activities -while addressing infrastructural lacking in the neighborhood- we have termed these 'Light Infrastructure'. A device meant to be flexible, multi-functional and of a low energy impact, that simultaneously deals directly with socially-relevant (and hence politicized) resources.

Monday	10.30-13.30
Monday	14.30-17.30
Wednesday	10.30-13.30
Thursday	10.30-13.30
Thursday	14.30-17.30

Prerequisite: Completed Foundation year

UR2015: People, Place, Identity and Change

Instructor/s: Mehrnaz Amiraslani, Jinto V George

Typology
Credits

Studio
14

This studio reflects on the associations between people and place that contribute to their identity. Against the backdrop of rapid urban development and transformation, there is a growing concern for reviving the identity of our places: the harmony between a dynamic physical context and its inhabitants and events, in an integrated and distinct manner. In this context, this studio is concerned with two major questions: - How can designers address the growing issue of detachment between people and their places and the loss of identity that follows? - How can designers employ residents' collective and in-depth knowledge about these spaces in order to arrive at effective and rooted responses? The studio critically questions the notion of identity: Identity is defined by associations between people and places, it evolves through time and varies from person to person. We examine the role of design as the agency that can strengthen these associations for the residents, contributing to belongingness to place. Students will engage closely with the residents through visual methods to include them in the process of design. They will use 2D and 3D physical visual tools to understand identity and work out design preferences and alternatives with community.

Monday	09.30-12.30
Wednesday	09.30-12.30
Thursday	09.30-12.30
Friday	09.30-12.30

Prerequisite: UG Students of second and third year in FP or FA

Semester 6

UR2603: Environmental and Social Impact Assessment

Instructor/s: Subhrangsu Goswami

Typology
Credits

Courses
2

There is a growing awareness that benefits of any development project should not be negated by externality, particularly those caused by the environmental and social consequences of the project. The primary objective of this course is therefore to provide required knowledge and skill to the students, to make them capable of assessing environmental and social impact of Urban Development and related Projects, so that the environmental and social impacts can be eliminated or minimized to acceptable level.

Friday

16.30-18.30

Prerequisite: BUD Students only

UR2610: Case Studies in Urban Design

Instructor/s: Mehrnaz Amiraslani

Typology
Credits

Courses
2

Through investigating processes of design & implementation of variety of urban design projects, the discourse encompasses theories, positions & urban responses. Course is structured around series of analytical, critical investigations into selected prominent local & international urban design projects. Selected cases encompass different processes, approaches & dimensions in urban design projects. The course is structured around series of analytical and critical investigations into selected prominent urban design projects in India and around the world. The cases will be of varied scales and each study explores range of drivers in a project: historical or theoretical precedents, economic drivers, political agendas, regulatory frameworks and other pertinent narratives underpinning the chosen project. The study and investigating of each case would span over 1-2 weeks and conclude with a critical discussion and reflection. A final self-directed research paper exploring one canonical urban project culminates the course. The course does not represent a comprehensive history of urban design, but a discourse encompassing theories, positions, and urban responses.

Friday

14.30-16.30

Prerequisite: None

Semester 7

UR3000: Internship

Instructor/s: Mehrnaz Amiraslani

Typology Office Internship
Credits 20

During internship students collect practical experience of working in an office or organization for a minimum period of 22 weeks. A seminar will be held a prior to commencement of 2019 spring semester to present and discuss their experiences and learnings during the internship.

Monday 09.00-18.30

Prerequisite: Completed 3rd year FP

Semester 8

UR2611: Critical Practices in Urban Design

Instructor/s: Jinto V George

Typology Courses
Credits 2

This course would examine contemporary urban design practices in India, with reference to global practices, as a means to critically examine the impact of the profession and its modes of engagement with the built environment. The course aims to study various Urban projects in terms of guidelines, regulations and codes in urban design. Students should be able to grasp the various stages of a project from an idea to its implication there by understanding the numerous professionals involved, their conditions of engagement and their scale of charges.

Friday 12.30-14.30

Prerequisite: None

UR2612: Urban Law and Regulation

Instructor/s: Rutool Sharma

Typology
Credits

Courses
2

Urban legislations and regulations have tremendous influence in shaping a city’s structure, urban form and built environment. Urban planning legislations provide a generic framework for guiding and managing development of an urban area. These legislations typically include policies related to landuse and zoning; which are finalized based on Development Plan of a city as well as its micro-plans like Town Planning Schemes & Local Area Plans. Similarly several regulations related to built form influence the overall city structure in terms of building typologies, density patterns, city’s skyline, etc. These regulations are broadly termed as development control regulations or byelaws. This course examines key elements of landuse, planning and law as related to urban development. Focus of the course will be to explain these legal tools that facilitate to regulate land use and development in urban areas. It will also include help students to understand broad framework for related to land management options. The course will also consist of discussion on development controls and built form regulations and its impact on city structure and urban form.

Wednesday

14.30-16.30

Prerequisite: Mandatory course for Bachelor of Urban Design students (4th year students). Not being offered as elective.

UR3002: Humanizing Urban Space: Social Production and speculative design of neighborhood place

Instructor/s: Rajiv Kadam

Typology
Credits

Studio
14

There is a loss of quality and character in current Indian Urban space in cities. They fail to respond to the life of the community as they are purely reduced to quantitative definitions and enclosed by dead urban edge. To Humanize urban spaces, the production of qualitative aspects need to be derived from the social and cultural patterns of the community life and its integration with a more interactive urban edge. The studio will use the place making theories of Christian Norberg Schulz and Jan Gehl to construct the character of the place. The students will decode the every day life and events, as manifested in a neighborhood level existing urban space in the new urban developments of Ahmedabad city. The students will then define strategies to construct a speculative design intervention plan for the urban space and contemporary interactive urban edge exploiting the potential of land. The current urban policy on residential redevelopment of old existing neighborhoods provides opportunities for the studio exploration of the critical issue of humanizing urban space. The intervention will attempt to create an ideal place to enhance the new human experience in neighborhood public place while retaining the existing community and exploring potential densification.

Monday	09.30-13.30
Monday	14.30-18.30
Wednesday	09.30-13.30
Thursday	10.30-13.30

Prerequisite: Students should be interested in Christian Norberg Schulz and Jan Gehl theories Students should be interested in photography and video documentation of human life

UR3003: Urban Planning and Regulations: Intent,Manifestation & Design

Instructor/s: Prasanth Narayanan, Tulika nabar Bhasin

Typology
Credits

Studio
14

Indian cities are plagued with, to mention a few, lack of good quality public realm, insufficient green cover, lack of inclusive pedestrian infrastructure, unaffordable land market and an over regulatory development framework. Many of these are resultant of an archaic idea of city planning and design, but can also be attributed to the effect of multiple city stakeholders and their interactions. These stakeholders (politicians, citizen groups, slum dwellers, architects, engineers, administrators, urban planners/designers etc.) and their competing views towards city design and planning materialize in the form of national/State level policies, city-level development plans, city-level building regulations or outcomes of a judicial proceeding. All of which culminate in tangible change. The course “Urban Policy and Regulations: Intent>Manifestation>Design” aims to understand this narrative of city-making with a specific focus on land markets, public realm and built form. Two methods will be explored, 1. Evidence-based research to build the narrative of planning and design of the city and 2. Design as a method of research to comment on planning & design practices at the site level. The studio is based in Mumbai, owing to a long history of planning and design interventions.

Monday	10.30-14.30
Thursday	10.30-13.30
Friday	10.30-12.30

Prerequisite: None

UR3598: Exchange Studio

Instructor/s: Rajiv Kadam

Typology
Credits

Studio
14

aa

Prerequisite: Only for Outgoing Exchange students from BUD program

Monday	08.30-18.30
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MANDATORY COURSES

POSTGRADUATE PROGRAM IN URBAN DESIGN

SPRING SEMESTER 2019 - 2020

Semester 2

UD4604: Evidence Based Urban Studies

Instructor/s: Brijesh Bhatha, Mariana Paisana

Typology
Credits

Courses

2

“People who live in urban environments, including urban planners, architects, (...), take cues from the physical environment every day, aware or unaware as the case may be. The messages they receive are often the basis for actions.” (Allan Jacobs, 1985) The course aims to develop study methods to evaluate urban spaces. Students will gain a first-hand, in-depth understanding of an urban phenomenon of their choice, and suggest new frameworks for future actions and design proposals. In a rapid-development city such as Ahmedabad, with large-scale policies and projects being implemented at a fast pace, it is also essential to focus on its implications at the everyday livability scale. It is important to investigate connections between open spaces and housing, traffic and social life, or transport connections and jobs. These studies have the potential to generate public debate and bring awareness amongst citizens on issues of urban development. The course will relate direct observation and collection of data, with urban design advocacy. The ambition of the course is to explore topics directly relevant to the city and provide a common ground to engage with local governments and citizens by sharing the insights derived from evidence-based studies about their living environments.

Monday

14.30-16.30

Prerequisite: Mandatory for MUD 2nd semester students.

UP4601: History of Cities and Contemporary Debates

Instructor/s: Rutul Joshi

Typology
Credits

Courses
2

Contemporary practices are enriched by the study of history. One way of viewing history is through the lens of contemporary debates of urban practice (planning/design) and learn from the study of the precedence and antiquities. Dilemmas and deliberations of planning/designed ideas of cities will define a 'debate' in a particular time. The idea of 'debate' is being used a pedagogical tool to evoke lateral thinking about planning/design approaches. This course aims to offer historical knowledge about transformation of cities and develops debates of contemporary relevance..

Monday

16.30-18.30

Prerequisite: Mandatory for MUP & MUD 2nd semester students. open for all PG students.

UD4003: Elements of Urban design Studio

Instructor/s: Brijesh Bhatha, Vipuja Parmar, Tapan Shah, Mariana Paisana

Typology
Credits

Studio
14

The studio is structured as an introduction to urban design representation and how it is used as a means of design thinking. The premise is that urban design is best understood and expressed through the study and representation of the built urban environment. Hence, the studio will focus on the study and representation of the key urban elements in cities (building types, urban blocks, streets, and public spaces) and will be structured in multiple modules running through the semester, each culminating with an exhibition of the outcome. The first module will focus on methods of effectively capturing and communicating the spatial qualities of the urban built environment. The second module will involve design problems involving everyday public places such as streets, neighborhood open spaces, public infrastructure etc. The exercise will involve identifying problems and potentials, proposing urban design solutions and communication through effective representation of the existing and proposed scenario.

Monday

10.30-13.30

Wednesday

10.30-13.30

Friday

09.30-13.30

Friday

14.30-18.30

Prerequisite: Only for MUD 2nd semester students.

Semester 4

UD4002: Urban Transformation Studio

Instructor/s: Purvi Bhatt, Narendra Mangwani, Umesh Shurpali

This studio will focus on the design aspects of urban transformations within the existing urban areas. As Indian cities are growing rapidly in terms of population and therefore expanding physically. Increasing urban population and the growing urban incomes will fuel demand for more and more built-floor space in cities accompanied by a demand for infrastructure. Urban areas within these cities are dealing with unsustainable levels of stress on infrastructure, resources and public services and are becoming unliveable. To address these concerns, the Ministry of Housing and Urban Affairs (MoUHA) has initiated various schemes such as AMRUT (Atal Mission for Rejuvenation and Urban Transformation), SMART CITIES MISSION and HRIDAY (Heritage City Development and Augmentation). These schemes enable planning for developing infrastructure in the brownfield areas through mechanisms such as Local Area Plans (LAP) and Town Planning schemes (TPS). Students will work on the projects emerging out of these initiatives defined by studio tutors. The projects will have a strong design focus on the physical setting, however issues of private ownership and social equity, land economics, planning models, project finance, and implementation strategies will also be addressed.

Prerequisite: Only for MUD 4th semester students.

Typology Credits	Studio
	14
Monday	10.30-13.30
Wednesday	10.30-13.30
Friday	09.30-13.30
Friday	14.30-18.30

UD4597: FP-PG- Exchange Studio

Instructor/s: Mona Iyer

Exchange Studio

Prerequisite: Only for MUD 4th semester students.

Typology Credits	Studio
	14
Saturday	00.00-00.30

MANDATORY COURSES

POST GRADUATE PROGRAM IN URBAN HOUSING

SPRING SEMESTER 2019 - 2020

Semester 2

UH4605: Housing Policies and Programs

Instructor/s: Sejal Patel

Typology
Credits

Courses
2

Housing is an economic and a welfare good and the stance of the government in provision and enabling of the good has evolved considerably post independence in India in concomitance with the shifts across the globe. This course introduces the key shifts in housing policy in India and critically reflects on the underpinning rationale under the shifts and the experience therein.

Monday

14.30-16.30

Prerequisite: Mandatory for MUH 2nd Semester students.

UH4606: Housing, People and Society

Instructor/s: Ravi Sannabhadti, Vishal Dubey

Typology
Credits

Courses
2

This course aims to give the students an overview of the field of urban sociology; community development and participation in relation to urban housing. It attempts to provide an awareness of the various theoretical perspectives. It also deals with the peculiar features of "third world" urbanization in general and the process of urbanization and informality in India in particular..

Wednesday

08.30-10.30

Prerequisite: Mandatory for MUH 2nd semester students

UH4607: Sustainable Development, Resilience and Energy Efficiency

Instructor/s: Neeru Bansal

Typology
Credits Courses
2

Today, society's interaction with the nature is so extensive and complex that environmental question has assumed proportions affecting all humanity. Industrialization, urbanization, population explosion, poverty, over-exploitation of resources, depletion of traditional resources of energy and raw materials, are some of the factors which have contributed to environmental deterioration the world over. The term, 'Sustainable Development' first gained prominence at the time of Stockholm Declaration on Environment and Development in the early 1970s. Since then it has become the trademark of international organizations dedicated to achieving environmentally benign or beneficial development. Sustainable development means an integration of developmental and environmental imperatives. World-wide environmental impact has reflected in the Climate Change and its long-term repercussions on global warming, sea level rise and increased incidence and frequency of floods. Changes in resource deployment and consumption patterns have become imperatives to mitigate the impacts of Climate Change.

Wednesday 14.30-16.30

Prerequisite: Mandatory for MUH 2nd semester students.

UH4000: Housing Strategy

Instructor/s: Sejal Patel, Amruta Patel

Typology
Credits Studio
12

The aim to the studio is to develop housing strategy for the city to expand choices of affordable housing to all income groups. Through a multipronged approach to demonstrate to the city how it will be able to efficiently address the issue of housing unaffordability in its specific land and labour market. The studio will focus on framing of policies and regulations that will enable local markets to generate adequate, affordable and decent housing stock. Simultaneously the focus is on framing of policies, programs and regulations that will provide assistance to households, living in substandard informal and formal housing but not catered by markets, to access decent affordable housing.

Monday 10.30-13.30
Wednesday 10.30-13.30
Friday 10.30-13.30
Friday 14.30-17.30

Prerequisite: Only for MUH 2nd semester students.

Semester 4

UH4050: Thesis/DRP/Capstone Project

Instructor/s: Ravi Sannabhadti, Sejal Patel, Madhu Bharti

Typology Thesis
Credits 14

Students are expected to take up research on a topic of their choice in the domain area of Urban Housing

Saturday 00.00-00.00

Prerequisite: The student must have successfully completed three studios before registration for the dissertation program.

MANDATORY COURSES

POSTGRADUATE PROGRAM IN URBAN INFRASTRUCTURE

SPRING SEMESTER 2019 - 2020

Semester 2

UI4602: Financing Urban Infrastructure

Instructor/s: Mona Iyer, Dinesh Mehta, Meera Mehta

Typology Courses
Credits 2

Finance is critical for urban development. There are various ways in which a government (national, state or local) raises and allocates funds for capital expenditure. The course aims to introduce concepts of public finance and project finance. Public finance topics would include discussions on national and state finance, inter-governmental transfers, and results based funding. Municipal finance will be examined in greater detail through municipal budget analysis, sources of revenue and items of expenditure. Potential sources of capital and revenue finances for municipalities and municipal corporations will be examined. Hands-on module on municipal finance will equip the students to apply the theoretical understanding developed in Module 1.

Wednesday 14.30-16.30

Prerequisite: Mandatory for MUI 2nd semester students

UI4606: Analytical Methods & Technical Writing

Instructor/s: Neeru Bansal, Ashwani Kumar, Ravi Sannabhadti

**Typology
Credits**

**Courses
2**

The strategic decision for the infrastructure provision or infrastructure plans provisioning or infrastructure project development needs extensive analysis of the situation and visualising the future needs of the city. This necessitate understanding of the various applicable analytical tools and methods for existing situation analysis in the city and estimations in terms of the future infrastructure requirements. The course focuses to make the students familiar with basic statistical analysis methods and applications for urban infrastructure planning, served delivery and performance evaluation. The course attempt to cover various methods/tools of analysis in relation to the important aspects of cities such as demographic, economic, environment, infrastructure system components etc.

Thursday

08.30-10.30

Prerequisite: Mandatory for MUI 2nd semester students.

UI4607: Elements of Urban Infrastructure Planning

Instructor/s: Saswat Bandyopadhyay, Subhrangsu Goswami

**Typology
Credits**

**Courses
2**

Along with the global projections of urbanization, India too, is on the forefront of urbanization challenges with over 650 million population expected to reside in its urban areas by 2030 from about 320 million in 2011 ((UNDESA, 2018)). This dramatic rise in urban population is expected to increase the demand for urban services in terms of water, energy, sanitation, mobility, social and recreational among others.

Monday

14.30-16.30

Prerequisite: Mandatory for MUI 2nd semester students.

UI4608: Financing Urban Infrastructure and PPP models for Sanitation

Instructor/s: Mona Iyer, Dinesh Mehta, Meera Mehta

**Typology
Credits**

**Courses
2**

Finance is critical for urban development. There are various ways in which a government (national, state or local) raises and allocates funds for capital expenditure. The course aims to introduce concepts of public finance and project finance. Public finance topics would include discussions on national and state finance, inter-governmental transfers, and results based funding. Municipal finance including municipal budget analysis, sources of revenue and items of expenditure. Potential sources of capital and revenue finances for municipalities and municipal corporations will be examined. Various options for sanitation financing and assessment of the impact of service financing on municipal budget.

Wednesday

14.30-16.30

Prerequisite: Mandatory for MUI 2nd semester students who are opting for Major in Sanitation.

UI4609: Sanitation Systems and Services

Instructor/s: Saswat Bandyopadhyay

**Typology
Credits**

**Courses
2**

To give participants a broad grounding on how to plan for affordable and context-specific urban sanitation solutions using a system thinking approach.

Wednesday

08.30-10.30

Prerequisite: Mandatory for MUI 2nd semester students doing Major in Sanitation

UI4610: Sanitation Technology-1

Instructor/s: Mona Iyer

**Typology
Credits**

Courses
2

This course aims to give the students a review of the fundamentals as well as the latest technological developments applied in the field of sanitation. The course includes overview of sewage-based sanitation options covering fundamentals of urban drainage and sewage and conventional wastewater treatment with the objective of helping the students to make informed choices when applying city-wide sanitation planning. The majority of the course is devoted to non-sewered sanitation technologies from across the sanitation service chain. Attention is given to treatment goals for faecal sludge e.g. sludge stabilization, pathogen inactivation, sludge dewatering and nutrient management, and how to achieve these. Both traditional and novel approaches and technologies are covered.

Monday

08.30-10.30

Prerequisite: Mandatory for MUI 2nd semester students doing Major in Sanitation

UI4002: City Wide Urban Sanitation Plan

Instructor/s: Saswat Bandyopadhyay, Subhrangsu Goswami

**Typology
Credits**

Studio
12

City wide sanitation planning involves several sub-sectors and institutions engaged in planning, designing, delivery and management of sanitary Services. This studio intends to develop a detailed understanding of how city level sanitation plans are prepared and integrated with city wide sanitation proposals and visions.

Monday

10.30-13.30

Wednesday

10.30-13.30

Friday

09.30-13.30

Friday

14.30-16.30

Prerequisite: Only for MUI 2nd semester students doing Major in Sanitation

UI4003: City Wide Infrastructure Planning

Instructor/s: Neeru Bansal, Saswat Bandyopadhyay

**Typology
Credits**

**Studio
12**

City Infrastructure Planning involves several sub-sectors and institutions engaged in planning, designing, delivery and management of Infrastructure Services. This studio intends to develop a detailed understanding of how city level infrastructure plans are prepared and integrated with city wide development proposals and visions. Participants will work in teams to deal with Macro to micro as well as sectoral issues and develop an integrated perspective of City Infrastructure Planning, including norms and regulations, assessment of demand and supply issues, identification and prioritisation of projects and Investment programming.

Monday	10.30-13.30
Wednesday	10.30-13.30
Friday	09.30-13.30
Friday	14.30-16.30

Prerequisite: Only for MUI 2nd semester students.

Semester 4

UI4050: Thesis/DRP/Capstone Project

Instructor/s: Mona Iyer, Neeru Bansal, Ravi Sannabhadti

**Typology
Credits**

**Thesis
14**

Students are expected to take up research on a topic of their choice in the domain area of Urban Infrastructure

Saturday	00.00-00.00
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Prerequisite: The student must have successfully completed three studios before registration for the dissertation program.

MANDATORY COURSES

POSTGRADUATE PROGRAM IN URBAN PLANNING
SPRING SEMESTER 2019 - 2020

Semester 2

UP4600: Sustainable Development, Climate Change and Urban Resilience

Instructor/s: Subhrangsu Goswami, Purvi Bhatt, Ashwani Kumar

Typology
Credits Courses
2

The main focus of this course is to expose the students to understand: (a) the key concepts of sustainable development and climate change (b) how environmental resources such as land, water, air, energy are impacted by development and vice versa; (c) what are various strategies to minimize, mitigate, manage and adapt to the immediate and long term environmental impacts, (d) what kind of tools and frameworks are available at different scales and levels, from Global to Regional, City and Local, for planning and implementing sustainable and resilient development.

Wednesday 14.30-16.30

Prerequisite: Mandatory for MUP 2nd semester students.

UP4601: History of Cities and Contemporary Debates

Instructor/s: Rutul Joshi

Typology
Credits Courses
2

Contemporary practices are enriched by the study of history. One way of viewing history is through the lens of contemporary debates of urban practice (planning/design) and learn from the study of the precedence and antiquities. Dilemmas and deliberations of planning/designed ideas of cities will define a 'debate' in a particular time. The idea of 'debate' is being used as a pedagogical tool to evoke lateral thinking about planning/design approaches. This course aims to offer historical knowledge about transformation of cities and develops debates of contemporary relevance.

Monday 16.30-18.30

Prerequisite: Mandatory for MUP & MUD 2nd semester students. open for all PG students

UP4606: Qualitative and Quantitative Analysis

Instructor/s: Ravi Sannabhadti, Bhargav Adhvaryu

Typology
Credits

Courses
2

The course is divided into two modules: Module 1 and 2 namely Quantitative and Qualitative methods. The key objective of Module-1 is to develop understanding of the application of quantitative tools and techniques to analyze and visualize data. This entails dealing with summarizing data, using various types of statistical analyses and drawing meaningful conclusions by applying inferences from sample to population. The sessions are designed with hands-on time for in-class problem solving, using statistical software. The tools and techniques in this module are generally applicable to several areas of public policy research and practice. The key objective of Module-2 is make students explore, understand and analyze the complexities found in development challenges and processes using qualitative tools & techniques. The course will orient the students to some of the qualitative tools and techniques found useful for decision makers in public realm. The idea is to get students to use some of the tools for their own data collection and analysis while developing an understanding of the limitations and advantages of each tool being explored.

Thursday

08.30-10.30

Prerequisite: Mandatory for MUP 2nd semester students.

UP4000: Development Plan Studio

Instructor/s: Rutool Sharma, Jignesh Mehta, Bhargav Adhvaryu, Amit Gotecha

Typology Studio
Credits 12

Statutory Development Plan (DP) is the most important and powerful tool for planning an urban area, and facilitating its growth. Conventionally, however, such plans fail to effectively integrate different sectors, and merely become an exercise in mapping, zoning and control regulations. In this studio, the students are expected to develop core competencies in making a Development Plan, which would go beyond the conventional 'predict and provide' approach. The students will study and explore different approaches of planning, zoning and regulations, to prepare a plan that is robust yet adaptable, and able to withstand the uncertainties of future. At the end of the semester, the students will prepare a Development Plan with proposals integrating various sectors such as land use, transport, infrastructure, housing, economy, environment etc. and identify various projects, estimate cost, identify revenue sources, and monitoring mechanism to ensure maximum implementation of the plan.

Monday	10.30-13.30
Wednesday	10.30-13.30
Friday	09.30-13.30
Friday	14.30-16.30

Prerequisite: Only for MUP 2nd semester students

Semester 4

UP4050: Thesis/DRP/Capstone Project

Instructor/s: Ravi Sannabhadti, Subhrangsu Goswami, Jignesh Mehta

Typology Thesis
Credits 14

Students are expected to take up research on a topic of their choice in the domain area of Urban and Regional Planning.

Saturday	00.00-00.00
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Prerequisite: The student must have successfully completed three studios before registration for the dissertation program.

MANDATORY COURSES

POSTGRADUATE PROGRAM IN URBAN TRANSPORT SYSTEMS

SPRING SEMESTER 2019 - 2020

Semester 2

UT4600: Planning, Operations and Management of Public Transport Systems

Instructor/s: H M Shivanand Swamy

Typology
Credits

Courses
2

This course provides students with a sound understanding of the key issues affecting the planning, management and performance of public transport in cities. It covers different public transport modes, PT network planning principles, performance measurements and the various legislations governing the urban public transport sector. The focus is on road based public transport systems.

Wednesday

14.30-16.30

Prerequisite: Mandatory for MUTS 2nd semester students. Not open to other students.

UT4601: Transportation Planning

Instructor/s: Shalini Sinha

Typology
Credits

Courses
2

This course is structured in two parts - The first part of the course aims to provide an understanding of alternative approaches to transport planning, data collection and analysis to help identify transport related problems and different tools available for proposing appropriate solutions. The second part of the course deals with transport modeling and its role in the planning process. An overview of different types of models and underlying principles are discussed. The theory and principles of classical 4 stage model and discrete choice models are covered in detail.

Monday

14.30-16.30

Prerequisite: Mandatory for MUTS 2nd semester students. Not open to other students.

UT4605: Quantitative Methods and Analysis in Transport

Instructor/s: Nitika Bhakuni, Shalini Sinha, H M Shivanand Swamy, VF

Typology
Credits

Courses
2

This course aims to provide students with a basic understanding of various analytical methods in transport analysis. As a part of this course, quantitative techniques as well as statistical methods relevant to transport planning, survey design and modelling would be covered. The course would be delivered using a mix of lectures and hands on exercises.

Thursday

08.30-10.30

Prerequisite: Mandatory for MUTS 2nd semester students. Not open to other students.

UT4000: Strategic Plan for Urban Transport System

Instructor/s: Nitika Bhakuni, Shalini Sinha

Typology
Credits

Studio
12

This studio aims to provide students with an understanding of strategic transportation plan and its preparation process. The students undertake data collection with respect to land use, transport and socio-economic characteristics of the case study city. Based on the existing situation analysis, they develop a long term vision for the city and propose alternative development strategies and appraise them to arrive at the most optimal set of land use transport proposals for the city.

Monday

10.30-13.30

Thursday

14.30-17.30

Friday

09.30-12.30

Friday

14.30-17.30

Prerequisite: Mandatory for 2nd Semester MUTS students.

Semester 4

UT4050: Thesis/DRP/Capstone Project

Instructor/s: Nitika Bhakuni, Ravi Sannabhadti, Shalini Sinha

Typology
Credits

Thesis
14

Students are expected to take up research on a topic of their choice in the domain area of Urban and Regional Planning.

Saturday

00.00-00.00

Prerequisite: The student must have successfully completed three studios before registration for the dissertation program.

MANDATORY COURSES

DOCTORAL PROGRAM IN PLANNING

SPRING SEMESTER 2019 - 2020

Semester 2

DP5101: Texts and the City

Instructor/s: Rutul Joshi, Biswaroop Das

Typology

Courses

Credits

3

Thursday

14.30-16.30

This seminar course is designed for the Doctoral and highly-motivated PG students who are interested in scholarly pursuits - readings-writing and deconstructing the historical texts related to cities. The course instructors believe that better understanding of history and theory makes better urban planners or urban designers. This course aims at debating conceptual trajectories and assumptions behind the use of key texts in planning and design theories. Each seminar session will be focused at discussing one or two key texts in terms of underlying themes, its impact on planning and urban discourses and its relationship to further intellectual developments and claims. The key texts listed under the sessions details below are the ones that will be discussed in each class. Before each class, the students are required to produce a written response based on pre-decided readings. In this way, it is intended that students will get an exposure to critical thinking and develop their academic writing skills. This course aims to teach the students to think critically and to be argumentative based on rational analysis. Often, we will find that the problem has more than one possible ways of seeing.

Prerequisite: Mandatory for Semester 2 FP MPhil/PhD students. Elective for FA MPhil/PhD students, and all PG students

DP5201: Research: Practice, Analysis and Communication

Instructor/s: Mukesh Patel

Typology

Courses

Credits

3

Thursday

10.30-12.30

This is a highly practice oriented course that is designed to impart research and communication skills and know-how. The course has two closely related core elements. First, a thorough and immersive exposure to the entire process of doing research: how to determine a research hypothesis or write a thesis statement; determining the appropriate research approach and methodology; conducting research and data collection; and, analysis and conclusion. This element is often the Independent Study (IS) part of this Semester's course for PhD and MPhil students. The second element, - dissemination and communication - focuses on learning about the different types of written and oral communication in academia; writing research papers, presenting research results, leading a seminar discussion, etc. This is a hands-on course whereby learning is primarily based on structured assignments designed to impart research, analytical skills and written and oral communication skills. Simultaneously the course will emphasize the importance of analytical and critical thinking skills a key determinant of the quality of research and communication.

Prerequisite: Mandatory for Semester 2 MPhil/PhD students (FP). Open as elective for sem 2 MPhil/PhD students (FA) and all PG students.

ELECTIVE COURSES

FACULTY OF PLANNING

SPRING SEMESTER 2019 - 2020

UR2700: Food and the City

Instructor/s: Mansi Shah

Typology
Credits

Courses
2

The course provides an overview of the connection between food and the city. It will include several lectures and case studies on different topics related to urban agriculture (as productive landscapes), forest ecosystem and services, food web interactions, habitat and biodiversity, ecological farming practices and agroforestry as well as global challenges of food security. It will continue to tie each lecture to how we can integrate these topics at the city level.

Tuesday

10.30-12.30

Prerequisite: None

UR2702: Rediscovering Ahmadabad

Instructor/s: Hamid Raj

Typology
Credits

Courses
2

Re-discovering Ahmedabad Ahmedabad is now a heritage city. Its 609 year old history is full of fascinating stories, legends and myths. This course deals with learning a bit about the factual history and more so the oral history and its many versions. The focus will be on medieval Ahmedabad. All the classes will be held outside of CEPT campus, mostly in the old city and other historically suburban areas. There will be field visits, talks, story- telling sessions and discussions which shall be followed up by further exploring the place and speaking to local people to gain more insight, discovering and documenting the oral history and other stories. Students will be required documenting the city and making a short film or write an essay by the end of the semester.

Tuesday

14.30-16.30

Prerequisite: Students who have also opted for other electives which either end at 2:30 pm or begin at 4:30 pm should not opt for this course, as reaching and coming back from the various sites will require time depending upon their locations. This will STRICTLY NOT BE

UR2703: The City in Literature

Instructor/s: Neha Krishana kumar

**Typology
Credits**

Courses
2

The course CITY IN LITERATURE is aimed at exposing students to multiple viewpoints regarding cities emanating from prose, poetry and philosophy that bring to fore the experiential nature of urbanity, albeit indirectly through fiction, metaphors and poesis. For instance, sample the following: 'Khartoum was an invention, a convenience, an outpost, at a bend in the river, chosen less for its climate than for its strategic worth. 'How often,' asked McLean in 1910, with an air of weary resignation, 'do we find in the tropics arrangements which are clearly only suited to European conditions?' Kitchener's planned layout for the new city comprised a series of Double Street Crossings, adjacent blocks modelled on the pattern of the Union Jack..... The design was not simply cosmetic. It lent itself to strategic defense of the city – one machine gun at the center could control all the surrounding streets.' Jamal Mahjoub- 'A Line in the River: Khartoum, City of Memory'

Tuesday

12.30-14.30

Prerequisite: None

UR3700: Exchange Elective

Instructor/s: Rajiv Kadam

**Typology
Credits**

Courses
6

Exchange Elective courses

Tuesday

08.30-10.30

Prerequisite: Only for outgoing BUD exchange students

UD4997: FP-PG Exchange Elective-III

Instructor/s: Mona Iyer

**Typology
Credits**

**Courses
2**

Exchange Dummy elective

Tuesday

00.00-00.30

Prerequisite: Semester 4 Students of MUD program selected for exchange

UD4998: FP-PG Exchange Elective-I

Instructor/s: Mona Iyer

**Typology
Credits**

**Courses
2**

Exchange Elective

Tuesday

00.00-00.00

Prerequisite: Semester 4 Students of MUD program selected for exchange

UD4999: FP-PG Exchange Elective-II

Instructor/s: Mona Iyer

**Typology
Credits**

**Courses
2**

EXCHANGE ELECTIVE

Tuesday

00.00-00.30

Prerequisite: Semester 4 Students of MUD program selected for exchange

UP4700: Settlements in Transition: Rural-Urban Interactions

Instructor/s: Ravi Sannabhadti, Anurima Mukherjee Basu

**Typology
Credits**

Courses
2

Recent research on India shows the existence of significant number of settlements that exhibit both urban and rural characteristics. These transitional areas are in the form of census towns, peri-urban areas or outgrowths of large urban centers. Almost 30% of the urban growth in the last decade is attributed to the addition of new census towns alone; which does not account for the growth of transitional areas around urban centers. Most official policies focus on either the rural or urban areas; lacking an approach to such 'trishanku' (middle world) areas. Such spaces are dynamic both in terms of their spatial spread and also by way of the changing nature and characteristics exhibited. This poses peculiar problems in fixing jurisdictional domains and governance. This course intends to develop an understanding of the spread, inter-linkages, nature, characteristics and the challenges of governing such transitional areas.

Tuesday

08.30-10.30

Prerequisite: The course is open for PG students of FA, FP and FM. Basic data analysis skills are desired, but not essential.

UP4701: Smart Cities

Instructor/s: Saswat Bandyopadhyay, Sejal Patel

**Typology
Credits**

Courses
2

Cities worldwide have been reinventing themselves to increase their performance and efficiencies in Infrastructure service delivery. This elective course is positioned in this context and will attempt to expose the course participants to the global and regional discourses and practices of Smart Urbanization and Infrastructure.

Tuesday

14.30-16.30

Prerequisite: Open for all PG Students.

UP4703: Theory of Urbanization and Cities

Instructor/s: Anil Kumar Roy

**Typology
Credits**

**Courses
2**

Learning Goals and Objectives Conceptual Understanding This course aims to bring in conceptual understanding of urban, urbanism, and the process of urbanization with reference to the third world countries. Urbanisation, urban growth, the urban process in the third world and developing countries are the focus areas of discussions. The theories of city structures will be discussed thoroughly and their relevance and applications can be explored taking examples of cities in transitional economy.

Tuesday

10.30-12.30

Prerequisite: Open to all PG students and FP-UG students.

UT4701: Street Design

Instructor/s: Abhijit Lokre, Sandeep Paul, Sarang Pingale

**Typology
Credits**

**Courses
2**

In this course, students are exposed to basic concepts of street design. They will look at the old paradigm of designing roads and the new paradigm of designing streets. They will be introduced to the 'Complete Streets' concept and with the help of case studies appreciate best practices and learnings. They will look at concepts of block size, built form and walkability. Students will be expected to read urban street design guidelines for various cities and make presentations on important issues covered. They will analyse the Street Vendors Act, parking policies and their relevance and impact on street design.

Tuesday

08.30-10.30

Prerequisite: Open only for 2nd Sem PG Planning Students & 2nd Sem PG Architecture students

MANDATORY COURSES

UNDERGRADUATE PROGRAM IN CONSTRUCTION TECHNOLOGY

SPRING SEMESTER 2019 - 2020

Semester 4

CT2606: Concrete Technology

Instructor/s: Naresh Chauhan

Typology
Credits

Courses
2

This course engages students in an in-depth study of the properties and behavior of concrete and its ingredients, enabling them to determine technically sound concrete in construction through a better knowledge of the basics. Laboratory work exposes students to the various properties of concrete materials, to develop an understanding of fresh and hardened properties of concrete and ingredients.

Friday

14.30-16.30

Prerequisite: None

CT2608: Fluid Mechanics

Instructor/s: Dipsha Shah

Typology
Credits

Courses
2

This course introduces fundamental principles relating to the static and dynamic behavior of fluids, which are helpful in design of hydraulic structure. The emphasis is placed on applications dealing with the flow of water and other in-compressible fluids. These include flow through piped systems and natural channels.

Thursday

14.30-16.30

Prerequisite: Only for UG - FT students.

Semester 4 & 6

CT2012: Deployable Structures: Concepts and Explorations

Instructor/s: JAPAN SHAH, Anand Viswanathan

Typology
Credits

Studio
14

Deployable structures can expand and contract due to their geometrical arrangement and mechanical joinery in such a way that they can adapt to different usages. They can fold, reduce in size and fit into a limited space when not in use; when required, these structures, can be deployed to serve its intended purpose.

This studio will emphasize on learning the concept of deployable structures through Origami techniques and kinematics of linkages. Students will first develop forms using origami techniques and would later develop a structural concept out of it based on a specific problem given to each student. Once the concept has been formulated, students will perform manual as well as software based calculations and do structural analysis to determine member forces, joint forces and sectional sizes. In the final phase of the studio, students will make scaled models of structure and the joinery along with basic drawings.

Prerequisite: Completed 3rd year FT

Monday	08.30-13.30
Wednesday	10.30-12.30
Friday	10.30-12.30

CT2015: CONCRETE: exploring its versatility

Instructor/s: Bhargav Tewar, Nikunj Dave

This studio aims on developing understanding on concrete as a versatile material. The main objective is to enable students to identify right grade and type of concrete for different applications and products. It provides a comprehensive coverage of the theoretical and practical aspects of the subject and includes the latest developments in the field of concrete construction. It has been designed to provide students with a detailed understanding of concrete as a material for construction and various ingredients of it. It will deal with behaviour of all ingredients in relation to physical properties, concrete production, various concrete placement methods and quality assurance during and after concreting operations. The properties of concrete and its constituent materials and the role of various admixtures in modifying various properties to suit specific requirements, such as RMC, FRC, Pervious concrete, light weight concrete, translucent concrete, bendable concrete, Geopolymer concrete etc will be treated comprehensively. Students will design and develop concrete for any of the applications prevailing in field with prototype development along with cost analysis.

Prerequisite: None

Typology	Studio
Credits	14
Monday	14.30-17.30
Wednesday	10.30-13.30
Thursday	10.30-13.30

CT2016: Network Design for Water Systems

Instructor/s: Tushar Bose, Tapan Betai

Typology Studio
Credits 14

The students would have to conceptualize and design fluid based networks. The studio would explore the concepts of fluid mechanics, where students would be expected to test and develop concepts based on the principle of fluid dynamics. The first part of the studio would introduce the concepts of fluid mechanics like Pascal's law, Bernoulli's principle etc. The students would test these principles in the lab and build instruments with application of these principles. In the later exercises students, the students would be building fluid based systems and testing the equations for frictional losses of energy in a piped as well as channel based network. Students would also be measuring pressure and flow by building their own systems for measurement of velocity, pressure and flow. As a final studio exercise students would be building a network that would be 10 m in one of the dimension. The network would be designed to carry water at a given flow, and required pressure at outlet. So that velocity shall remain between minimum and maximum values..

Prerequisite: Completed 1st year studios in FT

Monday	10.30-13.30
Wednesday	10.30-13.30
Friday	10.30-13.30

CT2018: Designing spaces in Reinforced Concrete

Instructor/s: Kruti d Shah, Rachit Sheth

Typology Studio
Credits 14

Building construction is not only about erecting concrete mass in a space, but is also about developing a space by effective utilization of it's area In today's times, where every RCC building is different in terms of it's shape, form and structural system, an engineer requires to not only analyse and design the building but also understand the process that leads to it's architectural and structural form. One needs to cultivate the conceptual understanding of it's architectural design and coherently develop the structural system.

Prerequisite: Completed 1st year studios in FT

Wednesday	14.30-19.30
Friday	08.30-12.30

CT2019: Planning and Design of road infrastructure in hilly region

Instructor/s: Anal Sheth, Komal Parikh

Typology

Studio

Credits

14

With the growing demands in the context of road infrastructure development in India and certain other countries, it is identified that a civil engineer equipped with the skills and strategies of road engineering principles and having a certain exposure to actual real-life road-related problems can be a useful professional. This course has been designed to equip the student with skills, rationales, and abilities in the context of road infrastructure planning and designs. The salient teaching methodology will include: Interactive discussions with students on existing principles and concerns of road planning and design Sensitivity and professional communication techniques (such as a reading of maps, interpretation of soil and material data) to these concerns through discussions Exposure and skill-building through advanced mapping and testing techniques Exposer to create and validate the 3D Model Exposure and skill-building through advanced design tools such as Open-Road, E-Survey, and Arc-GIS Exposure and experience through real-life project site of ongoing (greenfield and brownfield) road development

Monday

10.30-13.30

Monday

14.30-16.30

Wednesday

09.30-13.30

Prerequisite: None

CT2610: Environmental Engineering

Instructor/s: Dipsha Shah

**Typology
Credits**

Courses
2

This course provides students with an understanding of the basic principles of Environmental Engineering. The course gives a brief idea about air pollution and management, solid waste management and more emphasis on water and wastewater treatment process, design of water and wastewater treatment units. There are a number of site visits as a part of the course.

Friday

14.30-16.30

Prerequisite: Only for UG - FT Students

Semester 8

CT3000: Project Training

Instructor/s: Reshma Shah, Ganesh A. Devkar, Bhargav Tewar, Devanshu Pandit, Paresh Shah, Abhi Jhaveri, Project Training

**Typology
Credits**

Office Internship
20

To study construction methods, techniques planning, designs, quality control, project execution through 18 weeks on site practical training.

Thursday

14.30-20.30

Prerequisite: Students who have cleared 95 core credits, clearance of any Field Studies & Quantity Surveying

Semester 10

CT3020: Thesis

Instructor/s: Paresh Shah

**Typology
Credits**

Thesis
15

This course aims at introduction to research and to introduce the tools of research. The thesis is offered with intentions of: (a) Imbibing an attitude towards research (b) To address the problems faced in construction industry & thereby develop greater relevance of the academic program as well as Industry-Institute Interaction

Saturday

08.30-09.30

Prerequisite: 130 mandatory credits should have cleared including all studio subjects

MANDATORY COURSES

POSTGRADUATE PROGRAM IN BUILDING ENERGY PERFORMANCE SPRING SEMESTER 2019 - 2020

Semester 2

BE4600: Communications for Energy Efficiency Business

Instructor/s: Aalok Deshmukh, Aarti Nain, Deepa Parekh

Typology
Credits

Courses
3

This course will teach communication skills that are needed to meet the challenges faced by an EE professional. Students learn about techniques for reading design documents and communicating the potential for low energy strategies, communicating errors and omissions, presenting energy conservation measures and simulation results, presenting complex numerical data, and writing project proposals.

Friday

14.30-17.30

Prerequisite: Mandatory for MBEP 2nd semester students. Not open to non-BEP students.

BE4000: HVAC Lab

Instructor/s: Rajan Rawal, Rashmin Damle

Typology
Credits

Studio
14

The HVAC Lab Course is designed to introduce the discipline of Heating, Ventilation, and Air Conditioning within the context of energy efficiency, performance, and sustainability. The course will provide exposure to both physical design and measurements and whole-building-system simulation through lectures and measurement and evaluation modules.

Monday

10.30-13.30

Wednesday

10.30-13.30

Thursday

10.30-13.30

Friday

10.30-13.30

Prerequisite: Enrolled in the M.Tech BEP Program and completed the 5648 - Passive Comfort Lab.

Semester 4

BE4050: Thesis/DRP/Capstone Project

Instructor/s: Rashmin Damle

Typology
Credits

Thesis
14

The award of the degree of Master of Technology (M.Tech) at the Faculty of Technology requires the completion of a thesis after the 3rd semester, and submission of the thesis document. Students can undertake either a research-based thesis or a project-based thesis.

Saturday

00.00-00.00

Prerequisite: Successful completion of 3 Studios (PC Lab, HVAC Lab and IDL Lab), 3 seminar courses (BEE, EECOM and RES), and at least 10 credits worth of electives

MANDATORY COURSES

POSTGRADUATE PROGRAM IN CONSTRUCTION ENGINEERING & MANAGEMENT

SPRING SEMESTER 2019 - 2020

Semester 2

CM4600: Advanced Construction Practices

Instructor/s: Jyoti Trivedi

Typology
Credits

Courses
3

This course exposes students to current advanced construction technology practices adopted in large construction projects. It includes: general properties and behavior of special types of construction materials, methods of improving the properties and performance of materials, enabling structures, pre-casting and pre-stressing of concrete and latest techniques of construction practices.

Friday

08.30-11.30

Prerequisite: Mandatory for MCEM 2nd semester students.

CM4601: Construction Contracts

Instructor/s: Reshma Shah

**Typology
Credits**

Courses
3

To expose students to legal aspects of construction projects and to construction contracts

Thursday

14.30-17.30

Prerequisite: Mandatory for MCEM 2nd semester students.

CM4000: Construction Execution, Monitoring and Control

Instructor/s: Ganesh A. Devkar, Jyoti Trivedi

**Typology
Credits**

Studio
12

The studio is extension of Construction Project Formulation and Appraisal which addresses the culture, principles, and techniques of constructions management. It consists of managing project life cycle phases of execution, project finalization and close-out of construction projects.

Monday

10.30-13.30

Monday

15.30-18.30

Wednesday

10.30-13.30

Wednesday

14.30-15.30

Thursday

11.30-13.30

Prerequisite: Only for MCEM 2nd semester students.

Semester 4

CM4050: Thesis/DRP/Capstone Project

Instructor/s: Devanshu Pandit, Jyoti Trivedi

**Typology
Credits**

Thesis
14

Research Thesis program is introduced to complement the practical work and problem solving abilities of students and to contribute to a higher professional competence and developing an attitude towards research.

Saturday

10.30-13.30

Prerequisite: Should have completed all previous mandatory studios required by the MTech (CEM) program.

MANDATORY COURSES

POSTGRADUATE PROGRAM IN GEOMATICS

SPRING SEMESTER 2019 - 2020

Semester 2

GE4600: Advance Remote Sensing Techniques

Instructor/s: Bindi Dave

Typology
Credits

Courses
3

This course deals with studying Advanced Remote Sensing methods/techniques like atmospheric correction for satellite datasets, microwave remote sensing theories and methods-SAR polarimetry and interferometry, Hyperspectral remote sensing and Thermal Remote Sensing. Theory and practical sessions along with application-oriented assignments shall be taken up.

Thursday

14.30-17.30

Prerequisite: Mandatory for MGEO 2nd semester students.

GE4601: Spatial Analysis Techniques

Instructor/s: Dipak Samal

Typology
Credits

Courses
3

The course of Spatial Analysis Techniques will cover advanced GIS concepts which helps in learning and developing tools and techniques for Spatial Analysis. The course designs contains the concepts of geographical mapping in raster form, raster data sources and storing, Satellite Image interpretation for land use and land cover, spatial statistics, Interpolation tools and techniques, Terrain and Surface Analysis, Hydrological Analysis, Network Analysis, Local and Neighborhood Spatial Analysis, Multi-criteria decision making, Site Suitability Analysis and 3D GIS.

Friday

08.30-11.30

Prerequisite: Mandatory for MGEO 2nd semester students.

GE4000: GIS for Governance

Instructor/s: Shaily Gandhi, Bindi Dave, Dipak Samal

**Typology
Credits**

**Studio
12**

This studio is designed with focus to providing geospatial solutions for governance themes/issues. Decision making through spatial tools/ modeling, and geostatistical analysis for governance through real time studies would be attempted. As a part of the studio, in order to facilitate the student's ability to develop thematic spatial models using coding/programming knowledge, a modular component on Customization and Code design (Python scripting for Spatial analysis) shall be covered.

Monday	10.30-13.30
Monday	14.30-17.30
Wednesday	10.30-13.30
Wednesday	14.30-17.30

Prerequisite: Only for MGEO 2nd Semester students

Semester 4

GE4050: Thesis/DRP/Capstone Project

Instructor/s: Dipak Samal

**Typology
Credits**

**Thesis
14**

The objective of the dissertation is to study a topic of your choice within the realm of Geomatics in reasonable depth and write up a dissertation report at the end of it (Research Thesis/Project Thesis/DRP). Students can undertake either a research-based thesis or a project-based thesis. Within this document, the research thesis or the project thesis undertaking will be referred to as the thesis. The aims of the thesis are to: Provide an opportunity to study a particular topic in depth through research or as an applied project; Experiment with the theories studied and thoughts formed during the course of the program; Strengthen the ability of critical inquiry and independent investigation; Enable collaboration with practitioners where appropriate; Show the ability to plan and manage a project within the timelines specified;

Saturday	00.00-00.00
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Prerequisite: Should have completed all previous studios, mandatory courses required by the program

MANDATORY COURSES

POSTGRADUATE PROGRAM IN STRUCTURAL ENGINEERING DESIGN
SPRING SEMESTER 2019 - 2020

Semester 2

SD4600: Advanced RCC Design

Instructor/s: Aanal Shah

Typology
Credits Courses
3

This course covers the advanced methods of analysis, design and detailing of RCC elements that are sometimes the necessary components for the complex industrial structures or are to be designed as special structural systems. Behavioral aspect, Analysis and design of combined footings, raft foundation, pile foundation, staircases, deep beams, corbels, flat slabs and retaining walls will be dealt during these sessions. Also the serviceability criteria of deflections and crack widths in reinforced concrete structures will be taught during these sessions. All the designs will be supported with neat detailed sketches as well as models of placing of reinforcement in the same.

Friday 14.30-17.30

Prerequisite: Mandatory for MGEO 2nd semester students.

SD4601: Advanced Steel Design

Instructor/s: Dhara Shah

Typology
Credits Courses
3

The course aims to develop in-depth understanding of advanced structural principles of strength, stability, serviceability and lateral torsional buckling in steel design using plastic analysis. The course continues steel design topics dealt in semester I, covering advanced structural steel elements and broader areas of their applications. At the end, the students will develop analysis and design skills in steel structures and get familiarize with software commonly used in steel structural design

Thursday 08.30-11.30

Prerequisite: Mandatory for MSED 2nd semester students.

SD4000: Design Studio II: High Rise Buildings

Instructor/s: Aanal Shah, Dhara Shah

**Typology
Credits**

**Studio
12**

The objective of the course is to enable the students to analyze and design multistory structures independently considering effects of gravity as well as lateral loads.

Monday	10.30-13.30
Monday	14.30-17.30
Wednesday	10.30-13.30
Wednesday	14.30-17.30

Prerequisite: Only for MSED 2nd semester students.

Semester 4

SD4050: Thesis/DRP/Capstone Project (SED)

Instructor/s: Aanal Shah , Dhara Shah

**Typology
Credits**

**Thesis
14**

The students have to do independent study on a project based or a research based topic under guidance of a professional or faculty member.

Monday	14.30-17.30
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Prerequisite: For PG-SED students only who have completed first 3 semesters core courses

ELECTIVE COURSES

FACULTY OF TECHNOLOGY
SPRING SEMESTER 2019 - 2020

CT2712: Introduction to Geographical Information System

Instructor/s: Darshana Rawal

**Typology
Credits**

**Courses
2**

Geographical Information System is an advanced technology of measuring, mapping and analyzing the topography and surface of earth. It consists of thematic maps and the respective data. With the help of specialized software, the data integrates with the maps which are used for the decision making. With the help of large number of practical exercises the ArcGIS software will be explored.

Tuesday

10.30-12.30

Prerequisite: Open for all UG students only

CT2713: Valuation of Real Estate Properties

Instructor/s: Reshma Shah

**Typology
Credits**

**Courses
2**

To impart understanding of basic principles of valuation and valuation process of real estate properties as a whole. Students will be able to develop finder standing of factors affecting real property market.

Tuesday

08.30-10.30

Prerequisite: None

CT2715: Digital Technologies and Innovation

Instructor/s: Rahul Gautam

**Typology
Credits**

Courses

2

The elective will focus on the impact of Digital Technologies in the Construction and Real Estate Industry. As of now the PropTech (Property Technology) industry is worth more than \$18 billion across the globe. The industry leaders such as JLL, CBRE, Cushman Wakefield etc (for Real Estate) and L&T, TATA, Afcons etc (for Construction) are exploring various digital solutions to make the processes efficient for project delivery and add value to the clients. The companies are exploring solutions such as Drone technology, AR/VR (Augmented Reality / Virtual Reality), Internet of things (IOT), Artificial Intelligence (AI) etc. Thus, the future construction professionals will be expected to understand the importance of digital technologies and their application in the construction industry.

Tuesday

08.30-10.30

Prerequisite: None

CT2716: Digital Representation

Instructor/s: Sanket Patel

**Typology
Credits**

Courses

2

This course is designed to assist and mentor students in assembling a comprehensive portfolio of their academic work. Students will learn graphic techniques, as well as how to organize and layout their projects in digital formats. The purpose of the Portfolio is to showcase each student's best technical, creative, and analytical skills. The end product will be a customized template that can then be supplemented with new projects as students continue to develop professionally. The portfolio will be required for applying for internship positions.

Tuesday

10.30-12.30

Prerequisite: Students should have Laptop with Adobe Illustrator CC and Adobe Photoshop CC 2018 installed.

CT3700: Environment Impact Assessment for Infrastructure Projects

Instructor/s: Tushar Bose

**Typology
Credits**

Courses
2

This lecture course investigates the fundamentals of EIA as a set of decision tools for environment management, paying close attention to the necessity of both understanding the impacts of infrastructure projects on the surroundings, and mitigating these expected impacts. Case studies of EIAs are discussed, and evaluation is based on class participation, assignments and written examination.

Tuesday

08.30-10.30

Prerequisite: Open to all PG students and UG 4th & 5th year students

BE4702: Start Programming in C++

Instructor/s: Rashmin Damle

**Typology
Credits**

Courses
2

This course is meant for students who want to start programming to solve problems. Students will start writing programs. Syntax and theory will be explained. The first half of the course will introduce basic programming and the second half will focus on object-oriented philosophy. By the end of this course students will develop program and algorithms for accomplishing a specific task in C++

Tuesday

14.30-16.30

Prerequisite: If(desire !=0 && laptop==1){i.e., if desire is not equal to zero and you have a laptop};

BE4703: Light Shadow and Architecture

Instructor/s: Marshal Shahu Maskarenj

**Typology
Credits**

Lecture
2

Lighting plays a crucial role in architecture, and a fundamental understanding of its principles is essential to optimize its use. Daylight is a globally free natural resource, which is often underused and sometimes overused in built environment. It is essential to integrate daylight in space-lighting, to meet the norms for light quantity and quality in the built environment. This course imparts the fundamental of light from a physics and application viewpoint, along with fundamentals of Daylight Science. Students will understand the physics of light and daylight, concepts of solar geometry, solar angles, sky-luminance distribution, and shading mask by linking it with hands-on, analysis and critiquing the given space. Students will also be made aware about the thumb rules, visual comfort and advanced daylighting systems available in the market.

Tuesday

08.30-10.30

Prerequisite: Open for undergrads and postgrads of all streams. Not recommended for MTech BEP students.

CM4701: Digital Tools for Project Management

Instructor/s: Jyoti Trivedi

**Typology
Credits**

Lecture
2

This course will cover in-depth understanding of project planning and scheduling software(Primavera P6) to enable them to apply various tools in live project management scenarios.

Tuesday

14.30-16.30

Prerequisite: 4th year onwards all UG students and all PG students.

CM4705: Lean Construction - Concepts, Tools and Practices

Instructor/s: Ganesh A. Devkar

**Typology
Credits**

Lecture
2

The course covers the philosophies and principles of Lean Construction. The course sets out from a set of principles and techniques that aim at making construction more effective and quality conscious. It deals with a business philosophy and a strategic thinking that involves companies and organizations as well as various inter-organizational collaborations and alliances.

Tuesday

16.30-18.30

Prerequisite: UG FT 4th Year level onwards, all PG students.

GE4701: Applied Graph Theory Modules

Instructor/s: Jimmy Sethna

Typology
Credits

Courses
2

The course emphasis on computational aspects of graph theory and algorithms. It will incorporate applications of graph theory with illustrations, cross-references, and exercises that provide for an in-depth understanding of computational aspects and algorithms for real-time cases. Students will learn how to solve complex problems of networks of different types and analyse the results.

Tuesday

16.30-18.30

Prerequisite: None

GE4709: Machine Learning and Artificial Intelligence for Spatial Analysis

Instructor/s: Suchit Purohit

Typology
Credits

Courses
2

The field of Artificial Intelligence , Machine Learning , and Deep learning has made rapid progress in recent years, matching or in some cases, even surpassing human accuracy at tasks such as computer vision, natural language processing and machine translation. The intersection of AI, ML, DL and GIS is creating massive opportunities that weren't possible before. This elective course shall cover the fundamental concepts of Machine Learning, Artificial Intelligence and Deep Learning with special emphasis to Geospatial applications, Spatial and Non-Spatial. The course shall cover both theory and tutorial based practical sessions.

Tuesday

16.30-18.30

Prerequisite: The course is open for all PG students, with keen interest and previous background in programming and GIS. Students must carry their own Laptop



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